



DAVTRON, INC.



A Leader in Digital Avionics



300 Series
Temperature



400 Series
Voltmeter



600 Series
Multi-Function



800 Series
Clocks



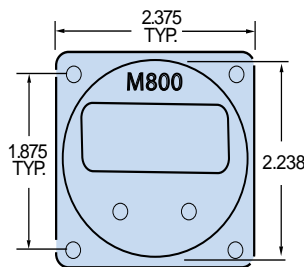
900 Series
Navigation

www.davtron.com

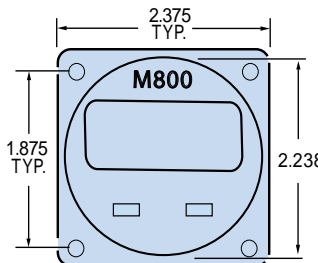
866-369-5588 toll-free
650-369-9988 fax

427 Hillcrest Way
Emerald Hills, CA 94062

Model 800



Mechanical with illuminated buttons



M800 with Illuminated Buttons



Model 800 operational input is 11V - 30V. The referenced 5V, 14V and 28V listed below identify lighting configuration for the backlight operation for nighttime viewing. Local Time is user selectable 12 or 24 hour. If customer request custom set-up from the factory, contact Davtron.

Specifications

- Universal Time: 24 hour format
- Local Time: 12 hour or 24 hour option, user selectable
- Elapsed Time Count Up: Starts in minutes and seconds, then hours and minutes, up to 99:59 hours
- Elapsed Time Countdown: Settable from one second to 59 minutes and 59 seconds
- Elapsed Time Alarm: Activates at zero when counting down
- Internal Lighting: 230 mA at 5V, 120 mA at 14V, 50 mA at 28V (specify voltage when ordering)
- LCD Display
- Keep Alive Current: .004 Amps. 12 to 30 Volts
- Voltage: 12 to 30 Volts
- Option Battery: AA memory battery (specify when ordering)
- NVIS Option: NVIS Green A lighting
- Weight: 4 ounces
- Warranty: 1 year

Features

- 2 1/4" INTERNAL MOUNT
- TWO BUTTON CONTROL SYSTEM
- LASER ENGRAVED FACEPLATE
- UNIVERSAL TIME
- LOCAL TIME
- ELAPSED TIME WITH COUNTDOWN TIMER
- ELAPSED TIME ALARM
- OPTION AUDIO ALARM
- LIQUID CRYSTAL DISPLAY
- NIGHT ILLUMINATION
- NVIS GREEN A OPTION
- KEEP ALIVE BATTERY OPTION
- FAA-PMA APPROVED

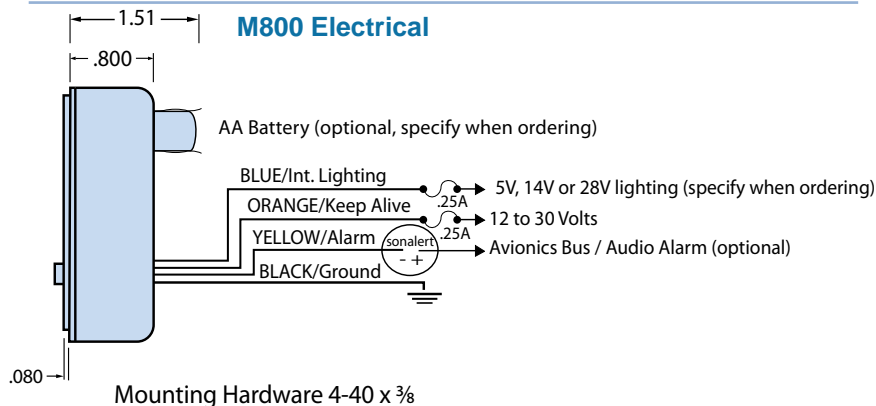


Part Number

Description

Part Number	Description
M800-5V	MODEL 800-5V GMT, LT, & ET DIGITAL CLOCK 5 VOLT LIGHTING
M800-5V-BAT	MODEL 800-5V WITH BATTERY HOLDER (AA)
M800-5-BATT	MODEL 800-5V WITH BATTERY HOLDER (AA) & BELL PANEL
M800-5V-NVG	MODEL 800-5V WITH NIGHT VISION LIGHTING GREEN A
M800-5V-NVG-BAT	MODEL 800-5V-NVG WITH MEMORY BATTERY HOLDER (AA)
M800-14V	MODEL 800-14V GMT, LT, & ET DIGITAL CLOCK 14 VOLT LIGHTING
M800-14V-BAT	MODEL 800-14V WITH MEMORY BATTERY HOLDER (AA)
M800-14V-NVG	MODEL 800-14V WITH NIGHT VISION LIGHTING GREEN A
M800-14V-NVG-BAT	MODEL 800-14V-NVG WITH MEMORY BATTERY HOLDER (AA)
M800-28V	MODEL 800-28V GMT, LT, & ET DIGITAL CLOCK 28 VOLT LIGHTING
M800-28V-BAT	MODEL 800-28V WITH MEMORY BATTERY HOLDER (AA)
M800-28V-NVG	MODEL 800-28V WITH NIGHT VISION LIGHTING GREEN A
M800-28V-NVG-BAT	MODEL 800-28V-NVG WITH MEMORY BATTERY HOLDER (AA)
M800-5V-SH-BAT	MODEL 800-5V, ILLUMINATED BUTTONS, BATTERY HOLDER
M800-5V-SH-NVG-BAT	MODEL 800-5V-NVG, ILLUMINATED BUTTONS, BATTERY HOLDER
M800-14V-SH-BAT	MODEL 800-14V, ILLUMINATED BUTTONS, BATTERY HOLDER
M800-14V-SH-NVG-BAT	MODEL 800-14V-NVG, ILLUMINATED BUTTONS, BATTERY HOLDER
M800-28V-SH-BAT	MODEL 800-28V, ILLUMINATED BUTTONS, BATTERY HOLDER
M800-28V-SH-NVG-BAT	MODEL 800-28V-NVG, ILLUMINATED BUTTONS, BATTERY HOLDER
SON-ALERT-SC648	AUDIO ALARM FOR MODELS 800, 803, 850 & 877

M800 Electrical



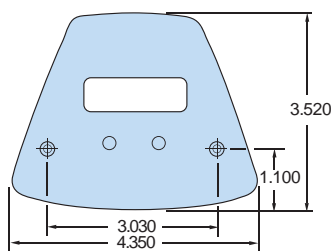
INSTALLATION ELIGIBILITY FOR MODEL 800

- Diamond Aircraft Model DA20-A1
- Beech Models 35, A35, B35, C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, 35-33, and 35-A33
- DAVTRON FAA PMA # PQ1062NM.

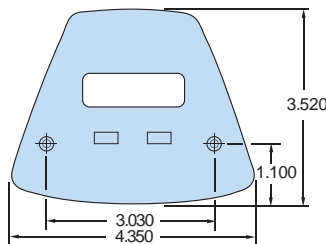
Model 800 for Beechcraft



Illuminated Buttons



Mechanical with illuminated buttons



Features

- YOKE MOUNT FOR BEECHCRAFT
- TWO BUTTON CONTROL SYSTEM
- UNIVERSAL TIME
- LOCAL TIME
- ELAPSED TIME WITH COUNTDOWN TIMER
- ELAPSED TIME ALARM
- OPTION AUDIO ALARM
- LIQUID CRYSTAL DISPLAY
- NIGHT ILLUMINATION
- NVIS GREEN A OPTION
- FAA-PMA APPROVED

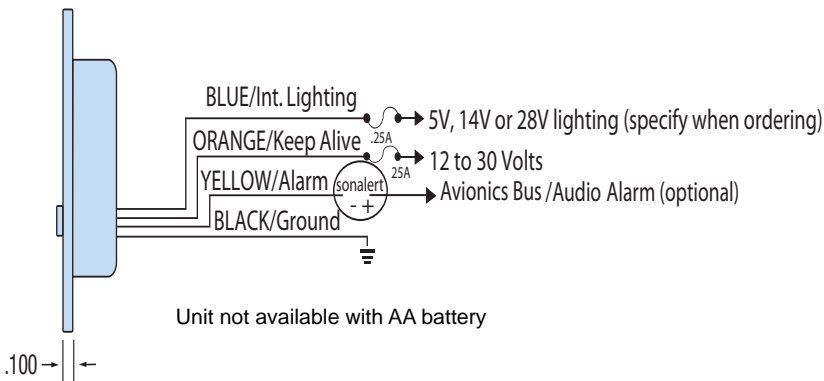


MB800 operational input is 11V - 30V. The referenced 5V, 14V and 28V listed below identify lighting configuration for the backlight operation for nighttime viewing. Local Time is user selectable 12 or 24 hour. If customer request custom set-up from the factory, contact Davtron.

Specifications

- Universal Time: 24 hour format
- Local Time: 12 or 24 hour option, user selectable
- Elapsed Time Count Up: Starts in minutes and seconds, then hours and minutes, up to 99:59 hours
- Elapsed Time Countdown: Settable from one second to 59 minutes and 59 seconds
- Elapsed Time Alarm: Activates at zero when counting down
- Internal Lighting: 230 mA at 5V, 120 mA at 14V, 50 mA at 28V (specify voltage when ordering)
- LCD Display
- Keep Alive Current: 0.004 Amps. 12 to 30 Volts
- Voltage: 12 to 30 Volts
- NVIS Option: NVIS Green A lighting

Electrical



Part Number

Description

Part Number	Description
MB800-5V-BLK	MODEL 800B-5V FOR BEECHCRAFT YOKE (BLACK)
MB800-5V-NVG-BLK	MODEL 800B-5V-BLK WITH NIGHT VISION GREEN A (BLACK)
MB800-5V-CRM	MODEL 800B-5V FOR BEECHCRAFT YOKE (CREAM)
MB800-5V-NVG-CRM	MODEL 800B-5V-CRM WITH NIGHT VISION GREEN A (CREAM)
MB800-14V-BLK	MODEL 800B-14V FOR BEECHCRAFT YOKE (BLACK)
MB800-14V-NVG-BLK	MODEL 800B-14V-BLK WITH NIGHT VISION GREEN A (BLACK)
MB800-14V-CRM	MODEL 800B-14V FOR BEECHCRAFT YOKE (CREAM)
MB800-14V-NVG-CRM	MODEL 800B-14V-CRM WITH NIGHT VISION GREEN A (CREAM)
MB800-28V-BLK	MODEL 800B-28V FOR BEECHCRAFT YOKE (BLACK)
MB800-28V-NVG-BLK	MODEL 800B-28V-BLK WITH NIGHT VISION GREEN A (BLACK)
MB800-28V-CRM	MODEL 800B-28V FOR BEECHCRAFT YOKE (CREAM)
MB800-28V-NVG-CRM	MODEL 800B-28V-CRM WITH NIGHT VISION GREEN A (CREAM)
MB800-5V-SH-BLK	MODEL 800B-5V-BLK, ILLUMINATED BUTTONS, (BLACK)
MB800-5V-SH-NVG-BLK	MODEL 800B-5V-BLK, ILLUMINATED BUTTONS, WITH NIGHT VISION GREEN A (BLACK)
MB800-14V-SH-BLK	MODEL 800B-14V-BLK, ILLUMINATED BUTTONS, (BLACK)
MB800-14V-SH-NVG-BLK	MODEL 800B-14V-BLK, ILLUMINATED BUTTONS, WITH NIGHT VISION GREEN A (BLACK)
MB800-28V-SH-BLK	MODEL 800B-28V-BLK, ILLUMINATED BUTTONS, (BLACK)
MB800-28V-SH-NVG-BLK	MODEL 800B-28V-BLK, ILLUMINATED BUTTONS, WITH NIGHT VISION GREEN A (BLACK)

INSTALLATION ELIGIBILITY FOR MODEL 800

- Diamond Aircraft Model DA20-A1
- Beech Models 35, A35, B35, C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, 35-33 and 35-A33

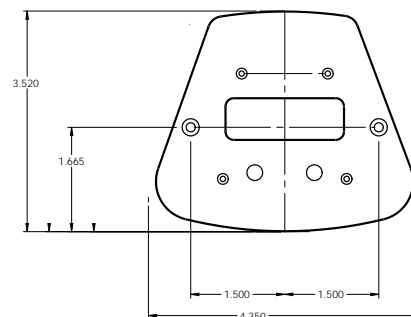
DAVTRON FAA PMA # PQ1062NM.

**NVG DIGITAL CLOCK
BEECHCRAFT KING AIR YOKE**
Universal - Local Time - Flight Time
Elapsed Time - Count Up / Count Down Alarm

NVIS Green A

Features

- YOKE MOUNT FOR BEECHCRAFT
- TWO BUTTON CONTROL SYSTEM
- UNIVERSAL TIME
- LOCAL TIME
- ELAPSED TIME WITH COUNTDOWN TIMER
- ELAPSED TIME ALARM
- OPTION AUDIO ALARM
- LIQUID CRYSTAL DISPLAY
- NIGHT ILLUMINATION
- NVIS GREEN A OPTION
- FAA-PMA APPROVED



MADE IN USA

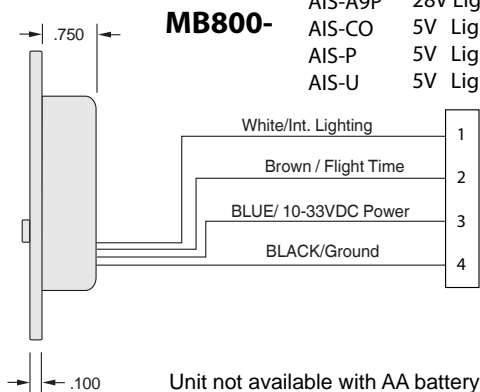
MB800-AIS operational input is 11V - 30V. The referenced 5V, 14V and 28V listed below identify lighting conformation for the backlight operation for nighttime viewing. Local Time is user selectable 12 or 24 hour. If customer request custom set-up from the factory, contact Davtron.

Specifications

- Universal Time: 24 hour format
- Local Time: 12 or 24 hour option, user selectable
- Elapsed Time Count Up: Starts in minutes and seconds, then hours and minutes, up to 99:59 hours
- Elapsed Time Countdown: Settable from one second to 59 minutes and 59 seconds
- Elapsed Time Alarm: Activates at zero when counting down
- Flight Time: Record in hours and minutes, up to 99:59
- Flight Time Alarm: Full set range of flight time
- Internal Lighting: 230 mA at 5V, 120 mA at 14V, 50 mA at 28V (specify voltage when ordering)
- LCD Display
- Keep Alive Current: 0.004 Amps. 12 to 30 Volts
- Voltage: 12 to 30 Volts
- NVIS Option: NVIS Green A lighting
- MIL-STD-3009
- Warranty: 1 years

Electrical

- AIS-A9CO 28V Lighting
- AIS-A9P 28V Lighting
- AIS-CO 5V Lighting
- AIS-P 5V Lighting
- AIS-U 5V Lighting



Part Number

Description

MB800-AIS-U-NVG	MODEL 800B-5V-NVG LIGHTING FOR BEECHCRAFT KING AIR YOKE (BLACK)
Prices	
MB800-AIS-CO-NVG	MODEL 800B-5V-NVG LIGHTING FOR BEECHCRAFT KING AIR YOKE CO-PILOT WITH TCS AND MAP SWITCH (BLACK)
Prices	
MB800-AIS-P-NVG	MODEL 800B-5V-NVG LIGHTING FOR BEECHCRAFT KING AIR YOKE PILOT WITH TCS AND MAP SWITCH (BLACK)
Prices	
MB800-AIS-A9CO-NVG	MODEL 800B-28V-NVG LIGHTING FOR BEECHCRAFT KING AIR YOKE CO-PILOT WITH TCS AND MAP SWITCH (BLACK)
Prices	
MB800-AIS-A9P-NVG	MODEL 800B-28V-NVG LIGHTING FOR BEECHCRAFT KING AIR YOKE PILOT WITH TCS AND MAP SWITCH (BLACK)
Prices	

INSTALLATION ELIGIBILITY FOR MODEL 800

- Diamond Aircraft Model DA20-A1
 - Beech Models 35, A35, B35, C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, 35-33 and 35-A33
- DAVTRON FAA PMA # PQ1062NM.

Model 803 NVIS Green A



Features

- 2 1/4" INTERNAL MOUNT
- LASER ENGRAVED FACEPLATE
- UNIVERSAL TIME
- LOCAL TIME
- FLIGHT TIME WITH ALARM
- ELAPSED TIME WITH COUNTDOWN TIMER
- ELAPSED TIME ALARM
- OPTION AUDIO ALARM
- LIQUID CRYSTAL DISPLAY
- VOLTAGE
- O.A.T. FAHRENHEIT & CENTIGRADE
- NIGHT ILLUMINATION
- NVIS GREEN A OPTION
- KEEP ALIVE BATTERY OPTION
- FAA-PMA APPROVED

Model 803 operational input is 11V - 30V. The referenced 5V, 14V and 28V listed below identify lighting configuration for the backlight operation for night-time viewing. Local Time is user selectable 12 or 24 hour. If customer request custom set-up from the factory, contact Davtron.

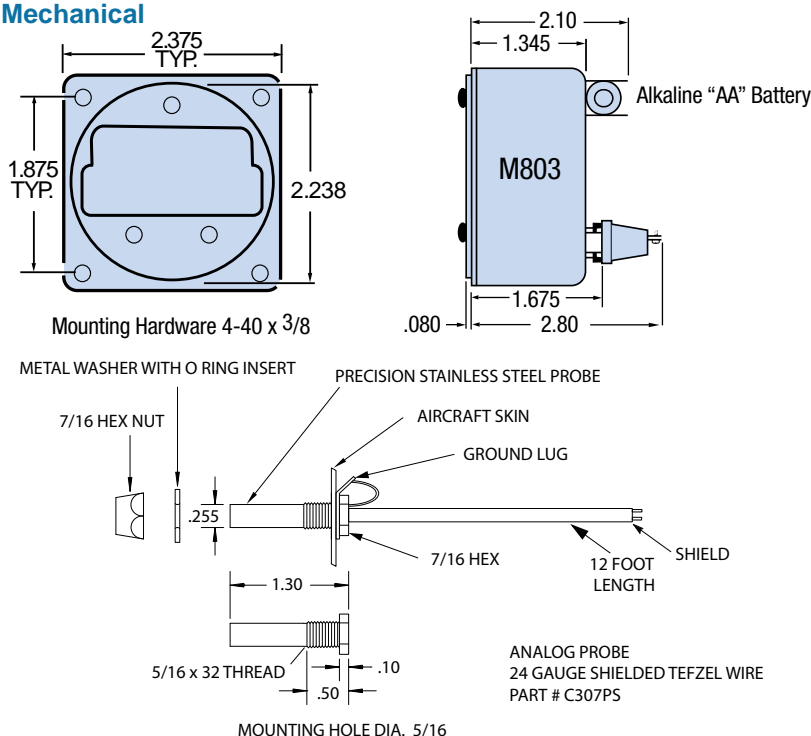
Specifications

- Universal Time: 24 hour format
- Local Time: 12 hour or 24 hour option
- Flight Time: Records in hours and minutes, up to 99:59
- Flight Time Alarm: Full set range of flight time
- Elapsed Time Count Up: Starts in minutes and seconds, then hours and minutes, up to 99:59 hours
- Elapsed Time Countdown: Settable from one second to 59 minutes and 59 seconds
- Elapsed Time Alarm: Activates at zero when counting down
- Voltage Range: 8 Volts to 32 Volts ±0.2 Volts Typ. -55°C to +100°C ±0.2°C Typ.
- Internal Lighting: 240 mA at 5V, 240 mA at 14V, 100 mA at 28V (specify voltage when ordering)

- Keep Alive Current: 0.004 Amps. 12 to 30 Volts
- LCD Display
- Input Voltage: 12 to 30 Volts
- Input Current: .2 Amps
- Battery Type: AA memory battery
- NVIS Option: NVIS Green A lighting
- Voltage: 12 to 30 Volts
- Weight: 5.02 ounces
- Warranty: 1 year

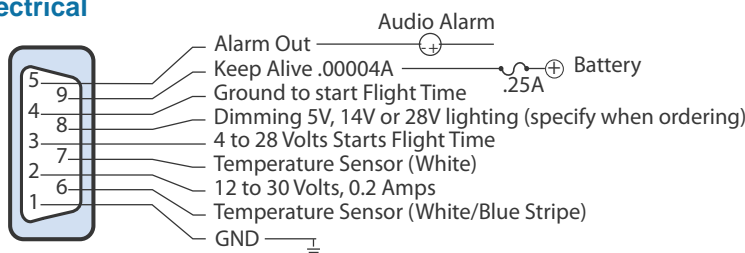


Mechanical



Part Number	Prices	Description
M803-5V	Prices	MODEL 803-5V UT, LT, FT, & ET DIGITAL CLOCK 5V LIGHTING, VOLTMETER, OAT (F & C) (TEMP. PROBE INCLUDED)
M803-5V-NVG	Prices	MODEL 803-5V-NVG UT, LT, FT, & ET DIGITAL CLOCK 5V NIGHT VISION LIGHTING GREEN A (TEMP. PROBE INCLUDED)
M803B-2-0/5V-BATT	Prices	MODEL 803-5V-BELL UT, LT, FT, & ET DIGITAL CLOCK 5V LIGHTING, VOLTMETER, OAT (F & ZC) (TEMP. PROBE INCLUDED) BELL PN. M803B-2-0/5V-BATT
M803-14V	Prices	MODEL 803-14V UT, LT, FT, & ET DIGITAL CLOCK 14V LIGHTING, VOLTMETER, OAT (F & C) (TEMP. PROBE INCLUDED)
M803-14V-NVG	Prices	MODEL 803-14V-NVG UT, LT, FT, & ET DIGITAL CLOCK 14V NIGHT VISION LIGHTING GREEN A (TEMP. PROBE INCLUDED)
M803-28V	Prices	MODEL 803-28V UT, LT, FT, & ET DIGITAL CLOCK 28V LIGHTING, VOLTMETER, OAT (F & C) (TEMP. PROBE INCLUDED)
M803-28V-NVG	Prices	MODEL 803-28V-NVG UT, LT, FT, & ET DIGITAL CLOCK 28V NIGHT VISION LIGHTING GREEN A (TEMP. PROBE INCLUDED)
M803B2-0/28V-B	Prices	MODEL 803-28V-CESSNA CLOCK OAT VOLTMETER GRAY BUTTONS 28V LIGHTING CESSNA PN. M803B2-0/28V-B
C307PS	Prices	TEMPERATURE PROBE 12FT COAX (ANALOG AD590KH)
C307PSM	Prices	TEMPERATURE PROBE 12FT COAX (ANALOG AD590MH, ENHANCE PRECISION TEMPERATURE)
PROBE-NICKEL-655-NUT	Prices	NUT FOR TEMP. PROBE (REQUEST ADDITIONAL O RING AND WASHER IF NEEDED)
CONN-MD9F20JVL0	Prices	9 PIN FEMALE CONNECTOR ASSEMBLY

Electrical



NOTE: Keep alive (Pin 9) is only required if alkaline AA size battery is removed. Flight Time starts with either Pin 3 or Pin 4 - use only one pin.

INSTALLATION ELIGIBILITY FOR MODEL 803

- Bell Helicopter Textron Model 407
- DAVTRON FAA PMA # PQ1062NM.

Model 811B

NOTE: For 28 Volt operation use a 35-OHM 25 watt resistor as shown in series with the A+ line. (Part # 811-28)



NVIS Green A

Model 811B operational input is 14V - 30V. Local Time is user selectable 12 or 24 hour. If customer request custom set-up from the factory, contact Davtron.

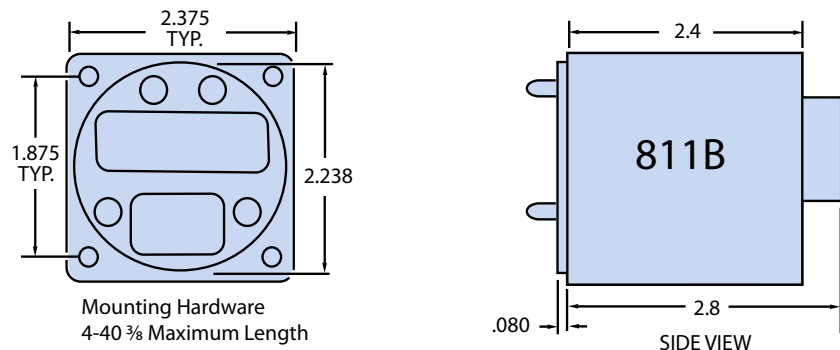
Features

- 2 ¼" INTERNAL MOUNT
- SIX-DIGIT DISPLAY ON ALL 3 FUNCTIONS
- LOCAL TIME
- FLIGHT TIME
- ELAPSED TIME COUNTER
- SUNLIGHT READABLE DISPLAY
- NVIS GREEN A OPTION
- MEMORY BATTERY INCLUDED
- FAA-PMA APPROVED

Specifications

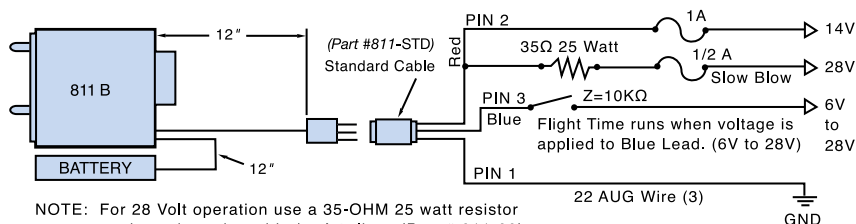
- Six-digit display on all three functions
- Local Time: 12 hour or 24 hour option (user selectable)
- Flight Time: 24 hour
- Elapsed Time Count Up: 24 hour
- Battery supplied with a typical two year operating life. 6 Volts - 1 Amp hour
- Polaroid filter
- Incandescent Displays: Readable in sunlight
- Input Voltage: 14 Volts
- Input Current: 0.4 Amps
- Maximum depth from mounting surface: 2.8"
- Black Faceplate: Engraved Nomenclature
- Grey Faceplate: Silkscreened Nomenclature
- Weight: 7.5 ounces
- Warranty: 1 year

Mechanical



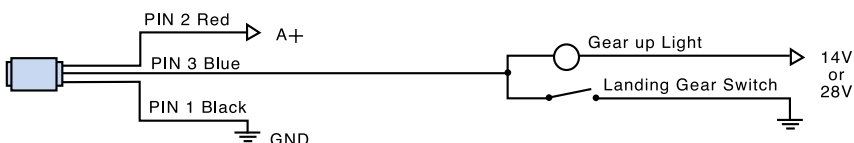
Mounting Hardware
4-40 3/8 Maximum Length

Electrical



NOTE: For 28 Volt operation use a 35-OHM 25 watt resistor as shown in series with the A+ line. (Part # 811-28)

Inverting Cable



When using the inverting cable (Part # 811-INV) the Flight Time runs when the Blue Lead is grounded.

Part Number

Description

Part Number	Description
M811B-24	MODEL 811B-24 LT 24 HR, FT, & ET CLOCK BLACK FACEPLATE (USER SELECTABLE 12 OR 24HR) M811B-1 811B-1 M811B-12
M811B-24A	MODEL 811B-24A LT 24 HR, FT, & ET CLOCK GRAY FACEPLATE (USER SELECTABLE 12 OR 24HR) M811B-1A 811B-1A M811B-12A
M811B-24-NVG	MODEL 811B-24-NVG WITH NIGHT VISION COMPATIBILITY (GREENA)
M811B-24-NVG-15	MODEL 811B-24-NVG-15 WITH NIGHT VISION COMPATIBILITY WITH KW515-4F DISPLAYS (GREEN A)
KW505F	REPLACEMENT DISPLAY
KW515F-4F	SUPER BRIGHT DISPLAY
811-BATT-1	811B MEMORY BATTERY PACK
811-INV	INVERTING FEMALE CONNECTOR
811-STD	STANDARD FEMALE CABLE CONNECTOR
811-28	811B DROPPING RESISTOR TM25 35 5% 20PPM

INSTALLATION ELIGIBILITY FOR MODEL 811B

- BAE Jetstream Models 3101, and 3201
- Beech Models 35, A35, B35, C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, 35-33, and 35-A33
- British Aerospace Model BAE/Avro 146
- British Aerospace Model 125-700
- DeHavilland Models Dash-8 Series 100 (101,102,103)
- DeHavilland Models Dash-8 Series 300 (301,311)
- Falcon Models 10, 900EX, and 2000
- Gates Learjet Models 24E, 24F, 25D, 25F, 35A, and 36A
- IAI Models 1125WW Astra and Astra SPX
- Mystere Falcon Models 50, 200, and 900
- Waco Model Classic WACO F5 and F5c

The 811-BATT-1 replacement batteries do not have PMA by themselves, they are part of the higher PMA assembly 811B clock.

DAVTRON FAA PMA # PQ1062NM.

Model 811C



Features

- 2 1/4" INTERNAL MOUNT or FRONT MOUNT
- SIX-DIGIT DISPLAY ON ALL 3 FUNCTIONS
- LOCAL TIME
- FLIGHT TIME
- ELAPSED TIME COUNTER
- SUNLIGHT READABLE DISPLAY
- OVER 100,000 HOURS RATED DISPLAYS
- MEMORY BATTERY INCLUDED
- FAA APPROVED

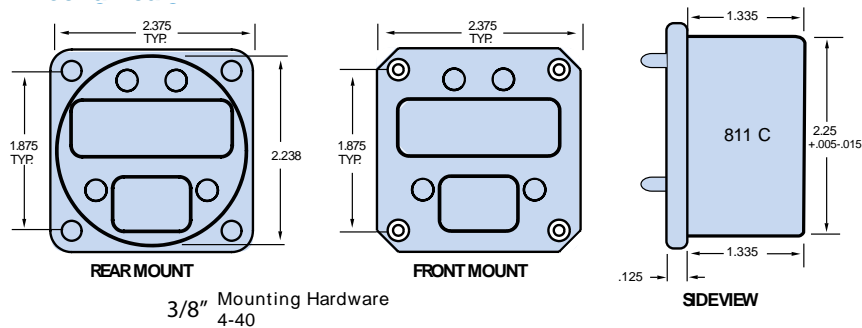
Model 811C operational input is 11V - 30V. Local Time is user selectable 12 or 24 hour. If customer request custom set-up from the factory, contact Davtron.

Specifications

- Six-digit display on all three functions
- Local Time: 12 hour or 24 hour option (user selectable)
- Flight Time: 24 hour
- Elapsed Time Count Up: 24 hour
- Elapsed Time Countdown with flashing alarm
- Precision/Extreme Accurate Clock IC
- Industrial - 40°C to 85°C
- CR2023 Memory Battery supplied with a typical 5 year operating life
- Input Voltage: 11 - 33 Volts
- Input Current: 0.2 Amps
- Black Faceplate: Engraved Nomenclature
- Grey Faceplate: Silkscreened Nomenclature
- Polycarb Lens Filter - Light Shield
- LED Displays: Readable in Sunlight
- Weight: 7.5 ounces
- Warranty: 1 year

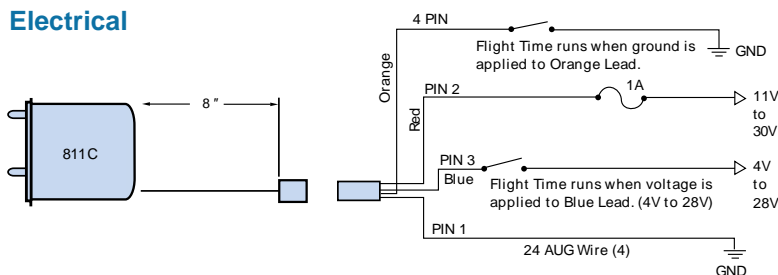


Mechanical



Part Number	Description
M811C	MODEL 811C STANDARD BLACK FRONT MOUNT, LT (12 OR 24) HR, FT, ET/CDT, LED CLOCK
M811C-A	MODEL 811C-A M811C WITH GRAY FACEPLATE
M811C-2	MODEL 811C-2 STANDARD BLACK INTERNAL MOUNT, LT (12 OR 24) HR, FT, ET/CDT, LED CLOCK
M811C-2A	MODEL 811C-2A M811C-2 WITH GRAY FACEPLATE

Electrical



INSTALLATION ELIGIBILITY FOR MODEL 811C

FAA Approved as an advanced time-keeping device equivalent and hence a replacement for the sweep-second-hand clocks of old. The unit is considered a replacement for clocks in Part 23, Class I and II IFR aircraft per advisory circular AC 20-94A.

[Davtron NORSEE FAA Approved](#)

Model 850

NVIS Green A



Features

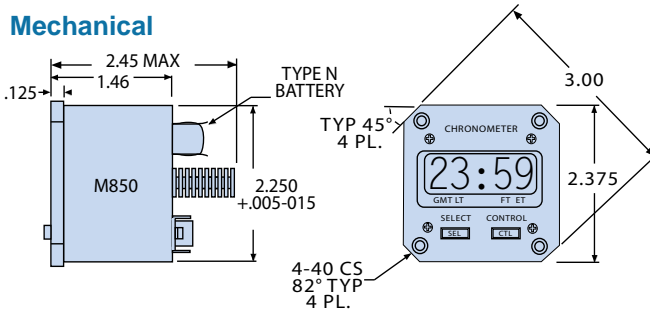
- 2 1/4" FRONT MOUNT
- TWO BUTTON CONTROL SYSTEM
- GREENWICH MEAN TIME
- LOCAL TIME
- FLIGHT TIME WITH ALARM
- ELAPSED TIME WITH COUNTDOWN TIMER
- ELAPSED TIME ALARM
- OPTION AUDIO ALARM
- BRIGHT SUNLIGHT READABLE DISPLAY
- AUTOMATIC DIMMING
- ILLUMINATED BUTTONS AND ANNUNCIATORS
- NVIS GREEN A OPTION
- KEEP ALIVE BATTERY OPTION
- FAA-PMA APPROVED

Model 850 operational input is 11V - 30V. The referenced 5V, 14V and 28V listed below identify lighting configuration for the backlight operation for nighttime viewing. Local Time is user selectable 12 or 24 hour. If customer request custom set-up from the factory, contact Davtron.

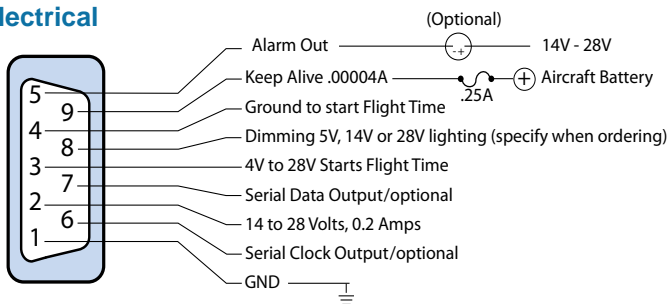
Specifications

- Greenwich Mean Time: 24 hour format
- Local Time: 12 hour or 24 hour option
- Flight Time: Records in hours and minutes, up to 99:59, 99.99 hour option
- Flight Time Alarm: Full set range flight time
- Elapsed Time Count Up: Starts in minutes and seconds, then hours and minutes, up to 99:59 hours
- Elapsed Time Countdown: Settable from one second to 59 minutes and 59 seconds
- Elapsed Time Alarm: Activates at zero when counting down
- Incandescent Display: Readable in sunlight
- Automatic Dimming
- Battery Type: N size alkaline Model 850
- Battery Type: AA size alkaline Model 877
- Keep Alive Current: .00004 amps
- Input Current: 0.2 Amps
- Input Voltage: 14 to 28 Volts (backlight available 5V, 14V, or 28V lighting - must specify when ordering)
- NVIS Option: NVIS Green A lighting for Model 850
- Black Face Plate: Engraved Nomenclature
- Grey Face Plate: Silkscreened Nomenclature
- Weight: 5 ounces
- Warranty: 1 year

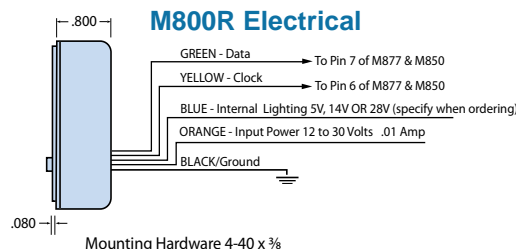
Mechanical



Electrical



M800R



*Must order Model 850 & 877 with M800R for remote option

Model 850

NVIS Green A

optional internal mount 2 1/4"



INSTALLATION ELIGIBILITY FOR MODEL 850

- Israel Aircraft Industries Model 1125 Astra and Galaxy

DAVTRON FAA PMA # PQ1062NM.



Part Number

Description

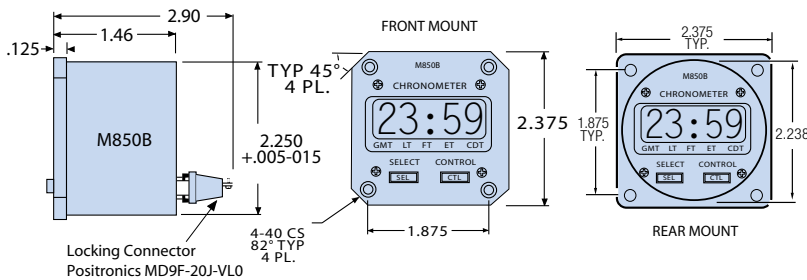
Part Number	Description
M850-5V Prices	MODEL 850-5V GMT, LT, FT, & ET CLOCK 5V ILLUMINATING BUTTONS (FRONT MOUNT)
M850A-5V Prices	MODEL 850-5V-WITH GREY FACEPLATE
M850-5V-NVG Prices	MODEL 850-5V WITH NIGHT VISION COMPATIBILITY (GREEN A)
M850-2-5V-NVG Prices	MODEL 850-5V INTERNAL MOUNT WITH NIGHT VISION COMPATIBILITY (GREEN A)
M850-14V Prices	MODEL 850-14V GMT, LT, FT, & ET CLOCK 14V ILLUMINATING BUTTONS (FRONT MOUNT)
M850A-14V Prices	MODEL 850-14V WITH GRAY FACEPLATE
M850-14V-NVG Prices	MODEL 850-14V WITH NIGHT VISION COMPATIBILITY (GREEN A)
M850A-14V-NVG Prices	MODEL 850A-14V-NVG WITH GRAY FACEPLATE
M850-28V Prices	MODEL 850-28V GMT, LT, FT, & ET CLOCK 28V ILLUMINATING BUTTONS (FRONT MOUNT)
M850A-28V Prices	MODEL 850-28V WITH GRAY FACEPLATE
M850-28V-NVG Prices	MODEL 850-28V WITH NIGHT VISION COMPATIBILITY (GREEN A)
M850A-28V-NVG Prices	MODEL 850A-28V-NVG WITH GRAY FACEPLATE
M850-2-28V-NVG Prices	MODEL 850-28V INTERNAL MOUNT WITH NIGHT VISION COMPATIBILITY (GREEN A)
M800R-5V Prices	*MODEL 800R-5V REMOTE UNIT 5V LIGHTING FOR MODEL 850 & 877
M800R-14V Prices	*MODEL 800R-14V REMOTE UNIT 14V LIGHTING FOR MODEL 850 & 877
M800R-28V Prices	*MODEL 800R-28V REMOTE UNIT 28V LIGHTING FOR MODEL 850 & 877
M800R-28V-NVG Prices	*MODEL 800R-28V WITH NIGHT VISION LIGHTING GREEN A
CONN-MD9F20JVL0 Prices	9 PIN FEMALE CONNECTOR ASSEMBLY
KW115G Prices	5V NUMERIC LOW PROFILE READOUT
SON-ALERT-SC648 Prices	AUDIO ALARM FOR MODELS 800, 803, 850 & 877

Model 850B

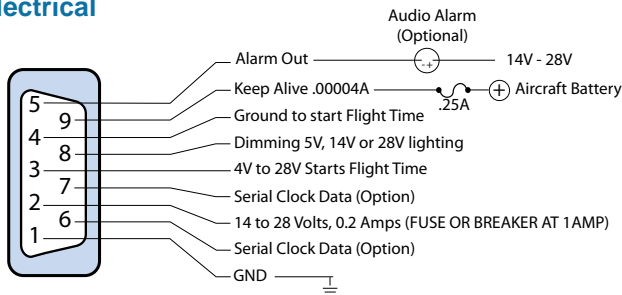


Model 850B operational input is 11V - 30V. Local Time is user selectable 12 or 24 hour. If customer request custom set-up from the factory, contact Davtron.

Mechanical



Electrical



NOTE: Keep alive (Pin 9) is only required if CR2032 battery is removed. Flight Time starts with either Pin 3 or Pin 4 - use only one pin.

Features

- 2 ¼" INTERNAL MOUNT FOR FRONT MOUNT
- TWO BUTTON CONTROL SYSTEM
- GREENWICH MEAN TIME
- LOCAL TIME
- FLIGHT TIME WITH ALARM
- ELAPSED TIME WITH COUNTDOWN TIMER
- ELAPSED TIME ALARM
- COUNTDOWN TIMER WITH ALARM
- OPTION AUDIO ALARM
- BRIGHT SUNLIGHT READABLE DISPLAYS
- AUTOMATIC DIMMING
- ILLUMINATED BUTTONS AND ANNUNCIATORS
- KEEP ALIVE BATTERY OPTION
- FAA APPROVED

Specifications

- Greenwich Mean Time: 24 hour format
- Local Time: 12 hour or 24 hour option
- Flight Time: Records in hours and minutes, up to 99:59, 99.99 hour option
- Flight Time Alarm: Full set range flight time
- Elapsed Time Count Up: Starts in minutes and seconds, then hours and minutes, up to 99:59 hours
- Elapsed Time Countdown: Settable from one second to 59 minutes and 59 seconds
- Elapsed Time Alarm: Activates at zero when counting down
- Count Down Timer: Settable from one second to 59 minutes and 59 seconds when counting down
- LED Displays: Readable in sunlight
- Automatic Dimming
- Battery Type: CR2032
- Keep Alive Current: .00004 amps
- Input Current: 0.2 Amps
- Input Voltage: 14 to 28 Volts
- Black Face Plate: Engraved Nomenclature
- Grey Face Plate: Silkscreened Nomenclature
- Weight: 5 ounces
- Warranty: 1 year



Part Number	Description
M850B	MODEL 850B GMT, LT, FT, ET & CDT LED CLOCK, ILLUMINATING BUTTONS (BLACK FRONT MOUNT)
M850B-A	MODEL 850B-A WITH GRAY FACEPLATE
M850B-2	MODEL 850B-2 GMT, LT, FT, ET & CDT LED CLOCK, ILLUMINATING BUTTONS (BLACK INTERNAL MOUNT)
M850B-2A	MODEL 850B-2A WITH GRAY FACEPLATE
CONN-MD9F20JVLO	9 PIN FEMALE CONNECTOR ASSEMBLY

INSTALLATION ELIGIBILITY FOR MODEL 850

FAA Approved as an advanced time-keeping device equivalent and hence a replacement for the sweep-second-hand clocks of old. The unit is considered a replacement for clocks in Part 23, Class I and II IFR aircraft per advisory circular AC 20-94A.

[Davtron NORSEE FAA Approved](#)

Model 877



Model 877 operational input is 11V - 30V. The referenced 5V, 14V and 28V listed below identify lighting configuration for the backlight operation for nighttime viewing. Local Time is user selectable 12 or 24 hour. If customer request custom set-up from the factory, contact Davtron.

Features

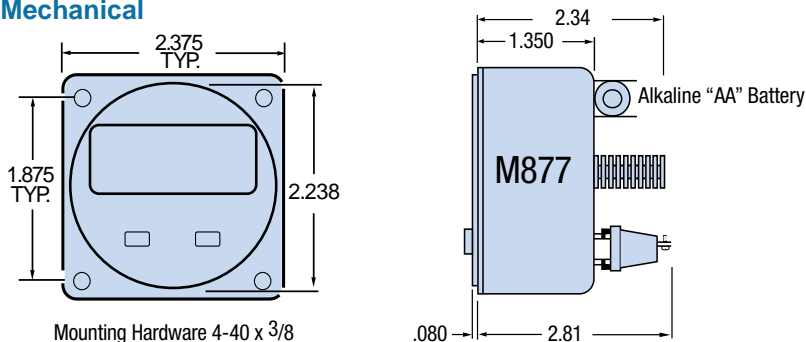
- 2 1/4" INTERNAL MOUNT
- TWO BUTTON CONTROL SYSTEM
- GREENWICH MEAN TIME
- LOCAL TIME
- FLIGHT TIME WITH ALARM
- ELAPSED TIME WITH COUNTDOWN TIMER
- ELAPSED TIME ALARM
- OPTION AUDIO ALARM
- BRIGHT SUNLIGHT READABLE DISPLAY
- AUTOMATIC DIMMING
- ILLUMINATED BUTTONS AND ANNUNCIATORS
- KEEP ALIVE BATTERY OPTION
- FAA-PMA APPROVED

Specifications

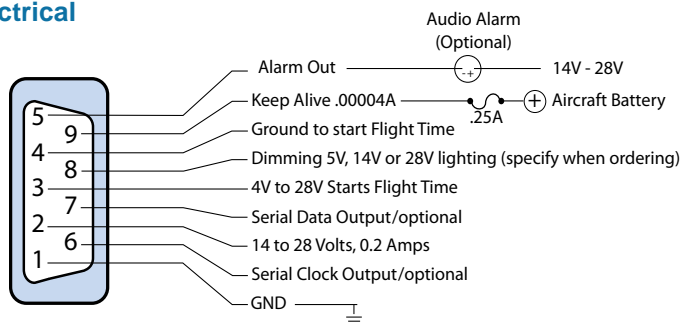
- Greenwich Mean Time: 24 hour format
- Local Time: 12 hour or 24 hour option
- Flight Time: Records in hours and minutes, up to 99:59, 99.99 hour option
- Flight Time Alarm: Full set range flight time
- Elapsed Time Count Up: Starts in minutes and seconds, then hours and minutes, up to 99:59 hours
- Elapsed Time Countdown: Settable from one second to 59 minutes and 59 seconds
- Elapsed Time Alarm: Activates at zero when counting down
- Incandescent Displays: Readable in sunlight
- Automatic Dimming
- Battery Type: N size alkaline Model 850
- Battery Type: AA size alkaline Model 877
- Keep Alive Current: .00004 amps
- Input Current: 0.2 Amps
- Input Voltage: 14 to 28 Volts (backlight available 5V, 14V, or 28V lighting - must specify when ordering)
- NVIS Option: NVIS Green A lighting for Model 850
- Black Face Plate: Engraved Nomenclature
- Grey Face Plate: Silkscreened Nomenclature
- Weight: 5 ounces
- Warranty: 1 year



Mechanical



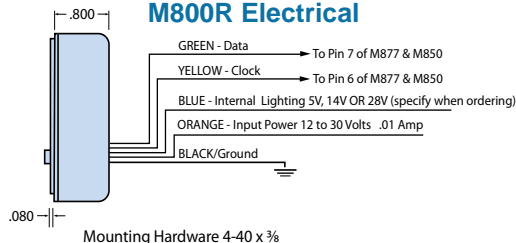
Electrical



M800R



M800R Electrical



*Must order Model 850 & 877 with M800R for remote option

Part Number

Description

Part Number	Description
M877-5V Prices	MODEL 877-5V GMT, LT, FT, & ET LED CLOCK 5V ILLUMINATING BUTTONS (REAR MOUNT) M877
M877A-5V Prices	MODEL 877-5V WITH GRAY FACEPLATE
M877-14V Prices	MODEL 877-14V GMT, LT, FT, & ET LED CLOCK 14V ILLUMINATING BUTTONS (REAR MOUNT)
M877A-14V Prices	MODEL 877-14V WITH GRAY FACEPLATE
M877-28V Prices	MODEL 877-28V GMT, LT, FT, & ET LED CLOCK 28V ILLUMINATING BUTTONS (REAR MOUNT)
M877A-28V Prices	MODEL 877-28V WITH GRAY FACEPLATE
M800R-5V Prices	*MODEL 800R-5V REMOTE UNIT 5V LIGHTING FOR MODEL 850 & 877
M800R-14V Prices	*MODEL 800R-14V REMOTE UNIT 14V LIGHTING FOR MODEL 850 & 877
M800R-28V Prices	*MODEL 800R-28V REMOTE UNIT 28V LIGHTING FOR MODEL 850 & 877
M800R-28V-NVG Prices	*MODEL 800R-28V WITH NIGHT VISION LIGHTING GREEN A
CONN-MD9F20JVL0 Prices	9 PIN FEMALE CONNECTOR ASSEMBLY
KW115G Prices	5V NUMERIC LOW PROFILE READOUT
SON-ALERT-SC648 Prices	AUDIO ALARM FOR MODELS 800, 803, 850 & 877

INSTALLATION ELIGIBILITY FOR MODEL 877

- Mystere Falcon 50 and 900
- Learjet Airplanes 35A and 60
- BAE Jetstream Model 4101
- DAVTRON FAA PMA # PQ1062NM.

Model 880
NVIS BG7B

Military Clock

Model 880
NVIS Green A



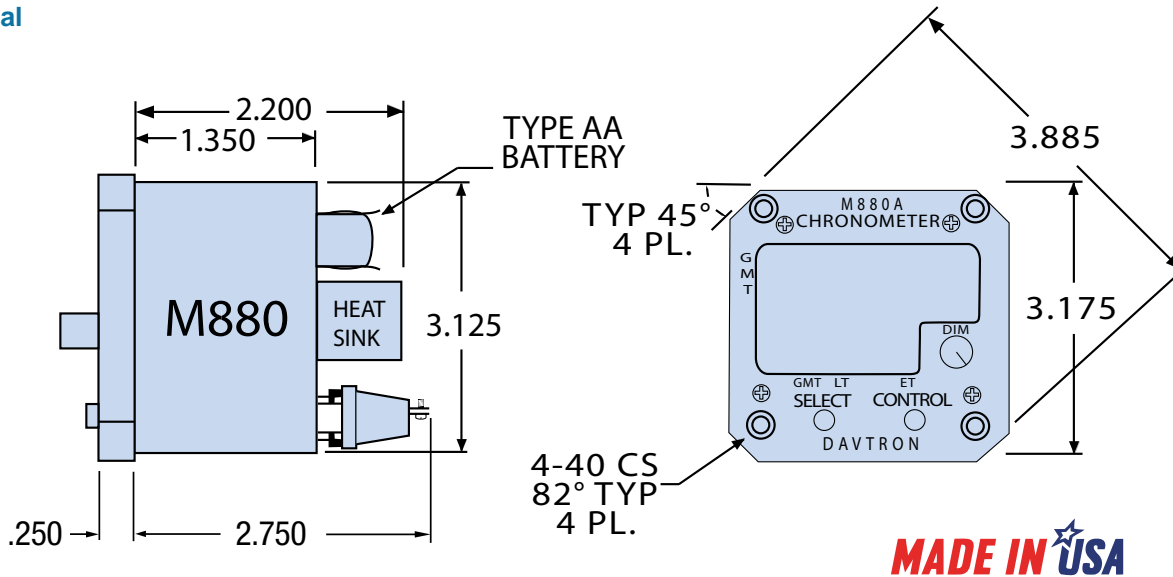
Features

- 3 ATI FRONT MOUNT
- TWO BUTTON CONTROL SYSTEM
- LASER ENGRAVED FACEPLATE
- GMT FULL SIX-DIGIT, HOURS, MINUTES, SECONDS
- LOCAL TIME
- ELAPSED TIME WITH COUNTDOWN TIMER
- ELAPSED TIME ALARM
- CONTROL SWITCH HAS REMOTE CAPABILITY
- SUNLIGHT READABLE DISPLAY
- N.V.G. FILTER, GREEN A OR BG7B
- MANUAL DIMMING OF THE DISPLAY
- KEEP ALIVE BATTERY

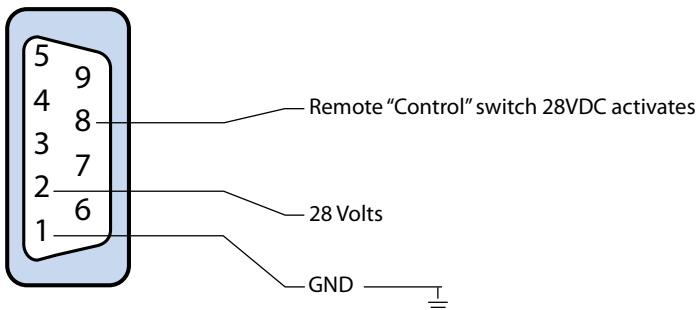
Specifications

- Greenwich Mean Time: 24 hour format, full six-digit hours/minutes/seconds
- Local Time: 12 hour or 24 hour option
- Elapsed Time Count Up: Starts in minutes and seconds, then hours and minutes, up to 99:59 hours
- Elapsed Time Countdown: Settable from one second to 59 minutes, 59 seconds
- Elapsed Time Alarm: Activates at zero when counting down
- Incandescent Displays: Readable in sunlight
- Manual dimming of the display
- N.V.G. Compatible: NVIS Green A or BG7B
- Battery Type: AA size alkaline
- Input Current: 500 mA
- Input Voltage: 28 Volts
- Weight: 10 ounces
- Warranty: 1 year

Mechanical



Electrical



Part Number	Description
M880A	MODEL 880A GMT, LT, & ET MILITARY CLOCK WITH NIGHT VISION COMPATIBILITY (BG7B)
M880A-S	MODEL 880A-S GMT, LT, & ET WITH NIGHT VISION COMPATIBILITY (GREEN A)
M880A-S-ENH	MODEL 880A-S-ENH GMT, LT, FT & ET WITH NIGHT VISION COMPATIBILITY (GREEN A)
CONN-MD9F20JVLO	9 PIN FEMALE CONNECTOR ASSEMBLY
KW115G	5V NUMERIC LOW PROFILE READOUT
KW105G	REPLACEMENT DISPLAY

Model 655

NVIS Green A



Front Mount



Features

- 2 1/4" STANDARD MOUNT OR FRONT MOUNT
- OUTSIDE AIR TEMPERATURE (°F)
- OUTSIDE AIR TEMPERATURE (°C)
- PRESSURE ALTITUDE
- DENSITY ALTITUDE
- AIRCRAFT VOLTAGE
- VOLTAGE ALARM (NOT ON NVG UNIT)
- DEVIATION ALARM (NOT ON NVG UNIT)
- SUNLIGHT READABLE DISPLAY
- FAA-PMA APPROVED

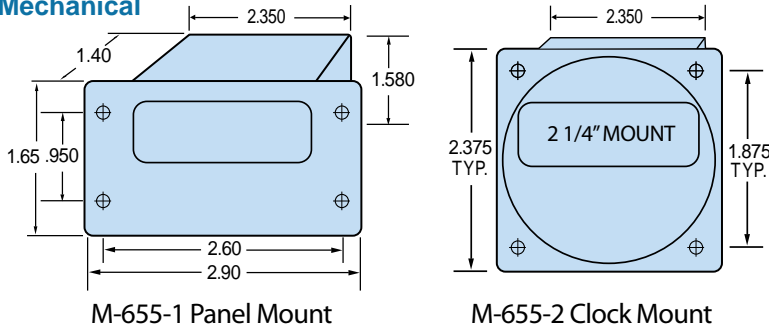
Includes the 12ft digital probe. If customer request analog probe, contact Davtron.



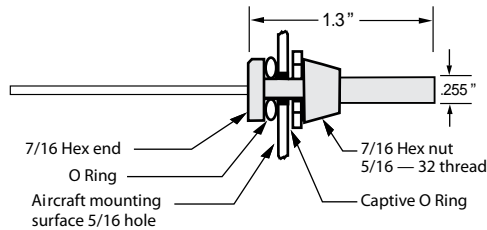
Specifications

- Density Altitude: -10,000 to 30,000 ft.
- Pressure Altitude: -1,000 to 62,700 ft.
- Temperature Range: -55°C to +100°C, -67°F to +212°F
- Accuracy: +/- 1% of full scale
- Voltage Range: 10 to 32 Volts
- Input Voltage: 14 to 28 Volts
- Input Current: .35 Amps max.
- Weight: 5 ounces
- Warranty: 1 year

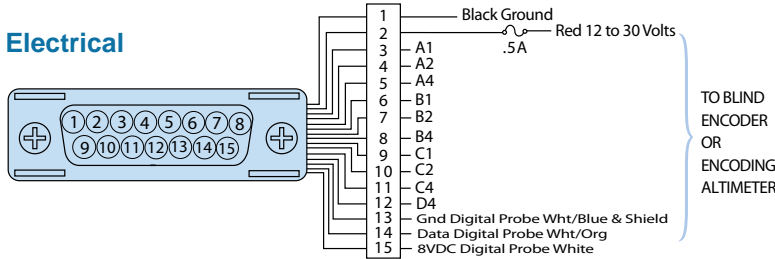
Mechanical



12 FOOT STANDARD DIGITAL PROBE



Electrical



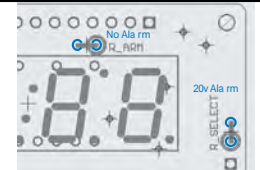
Part Number

Description

M655-1	Prices	MODEL 655-1 O.A.T. C & F/ PRESSURE & DENSITY ALT/ DC VOLTAGE/ (FRONT MOUNT) (TEMP. PROBE INCLUDED) VOLTAGE & DEVIATION ALARM
M655-2	Prices	MODEL 655-2 O.A.T. C & F/ PRESSURE & DENSITY ALT/ DC VOLTAGE (REAR MOUNT) (TEMP. PROBE INCLUDED) VOLTAGE & DEVIATION ALARM
M655-2-NVG	Prices	MODEL 655-2-NVG O.A.T. C & F/ PRESSURE & DENSITY ALT/ DC VOLTAGE (REAR MOUNT) (TEMP. PROBE INCLUDED) NVG GREEN A
655-PROBE	Prices	PROBE-7FT-RB TEMP PROBE 7FT RED/ BLK TWISTED (ANALOG) 301,303,307& 655 . NOTE: UNITS WITH "D" IN THE SERIAL # USE A DIGITAL PROBE
C307PS	Prices	PROBE-12FT-WHT-C307PS TEMPERATURE PROBE 12FT COAX (ANALOG) 301,303,307,655 & 803
C307PSM	Prices	PROBE-12FT-WHT-C307PSM TEMPERATURE PROBE 12FT COAX (ANALOG AD590MH, ENHANCE PRECISION TEMPERATURE) 301,303,307,655 & 803
D307PS	Prices	PROBE-12FT-WHT-D TEMP PROBE 12FT WHITE DIGITAL (FOR UNITS WITH "D" IN THE SERIAL #; MODELS 301, 303, 307 & 655)
PROBE-NICKEL-655 -NUT	Prices	NUT FOR TEMP. PROBE (REQUEST ADDITIONAL O RING AND WASHER IF NEEDED)

Voltage Alarm

Unit default alarm set to flash 11v or below
 R_ARM & R_SELECT located on front board
 Alarm on /1.5 ohm resistor on R_ARM
 Alarm 20v or less/1.5 ohm resistor on R_SELECT



INSTALLATION ELIGIBILITY FOR MODEL 655

- Beech Models 35, A35, B35, C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, 35-33, and 35-A33

DAVTRON FAA PMA # PQ1062NM.



Part Number

Description

M650-1	Prices	MODEL 650-1 DISPLAYS ONLY PRESSURE ALTITUDE (FRONT MOUNT) UNIT FOR TESTING BLIND ENCODERS ON TEST BENCH
M650-2	Prices	MODEL 650-2 DISPLAYS ONLY PRESSURE ALTITUDE (FRONT MOUNT) UNIT FOR TESTING BLIND ENCODERS ON TEST BENCH

Specifications

- Pressure Altitude: -1,000 to +62,700 ft.
- Input Voltage: 14 to 28 Volts
- Input Current: 0.35 Amps max.
- Weight: 5 ounces
- Warranty: 1 year

Features

- UNIT FOR TESTING BLIND ENCODERS ON TEST BENCH
- PRESSURE ALTITUDE
- AUTOMATIC DIMMING
- SUNLIGHT READABLE DISPLAY

Model 650

Front Mount



Model 450

Features

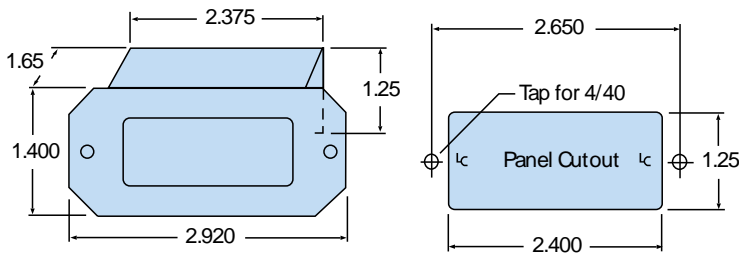


- MINIMUM PANEL SPACE
- LIGHT WEIGHT
- AUTOMATIC DIMMING
- SUNLIGHT READABLE DISPLAY
- LASER ENGRAVED FACEPLATE
- VOLTAGE WITH FLASHING ALARM
- FAA-PMA APPROVED

Specifications

- Range: 8 to 32 Volts
- Input Voltage: 14 to 28 Volts
- Resolution: 0.1 Volt
- Input Current: 150 mA max.
- Operating Temp: -25°C to +60°C
- Accuracy: +/- 1% of full scale
- Weight: 3 ounces
- Warranty: 1 year

Mechanical



Part Number

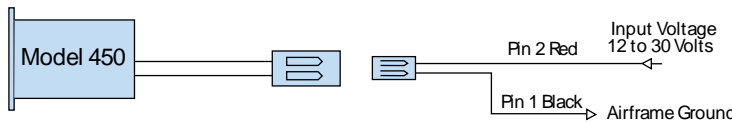
Description

M450	Prices	MODEL 450 VOLTMETER AMBER LED
M450A	Prices	MODEL 450A VOLTMETER AMBER LED WITH REMOTE SENSING
M450-GRN	Prices	MODEL 450-GRN VOLTMETER GREEN LED
M450A-GRN	Prices	MODEL 450A-GRN VOLTMETER GREEN LED WITH REMOTE SENSING
M450-WHT	Prices	MODEL 450-WHT VOLTMETER WHITE LED
M450A-WHT	Prices	MODEL 450A-WHT VOLTMETER WHITE LED WITH REMOTE SENSING

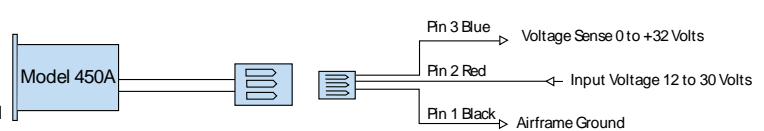
INSTALLATION ELIGIBILITY FOR MODEL 450

• Beech 35, A35, B35, C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, 35-33, 35-33A, with STC SA4381WP or SA4193 installed
 DAVTRON FAA PMA # PQ1062NM.

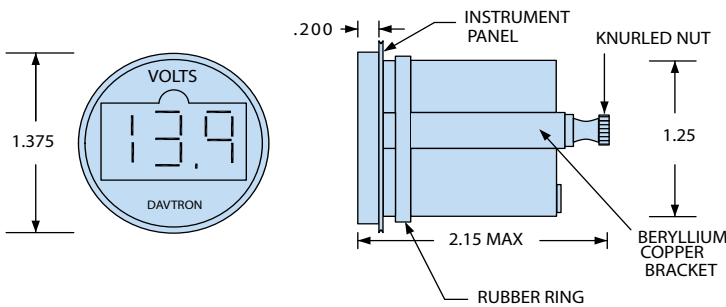
M450 Electrical



M450A Electrical



Mechanical



Model 451

Features



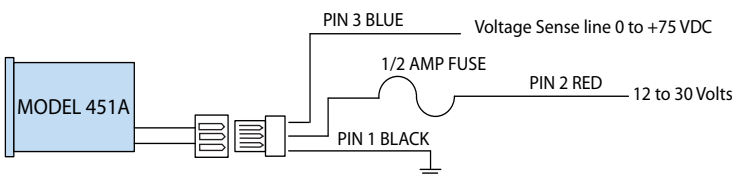
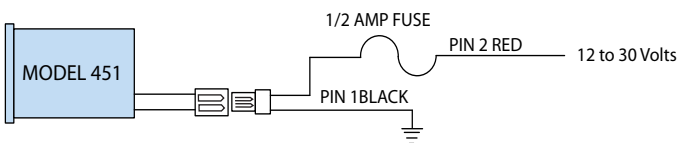
- MINIMUM PANEL SPACE
- LIGHT WEIGHT
- AUTOMATIC DIMMING
- SUNLIGHT READABLE DISPLAY
- VOLTAGE
- FAA-PMA APPROVED

Specifications

- Range: 8 to 32 Volts
- Input Voltage: 14 to 28 Volts
- Resolution: 0.1 Volt
- Input Current: 150 mA max.
- Operating Temp: -25°C to +60°C
- Accuracy: +/- 1% of full scale
- Warranty: 1 year



Electrical



Part Number

Description

M451	Prices	MODEL 451 VOLTMETER/1.25 ROUND MOUNT RED LED
M451A	Prices	MODEL 451A VOLTMETER/1.25 WITH REMOTE SENSING RED LED
M451-ORG	Prices	MODEL 451 VOLTMETER/1.25 ROUND MOUNT ORG LED
M451A-ORG	Prices	MODEL 451A VOLTMETER/1.25 WITH REMOTE SENSING ORG LED

INSTALLATION ELIGIBILITY FOR MODEL 451

• Beech 35, A35, B35, C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, 35-33, 35-33A, with STC SA4381WP or SA4193 installed
 DAVTRON FAA PMA # PQ1062NM.

Model 475VA



Model 475VAA



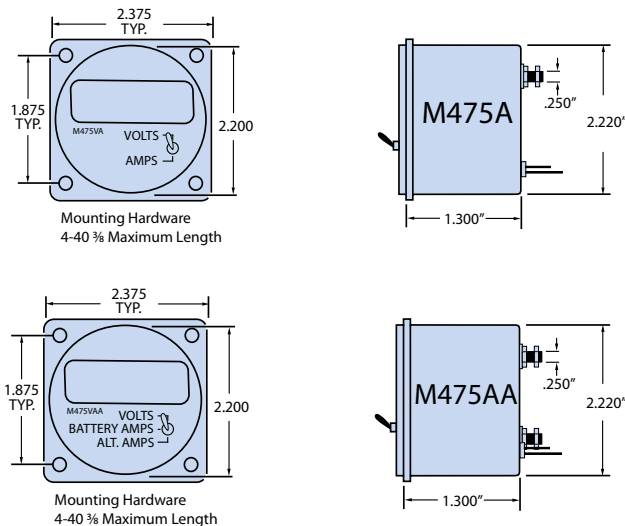
Specifications

- Range: 8 to 32 Volts
- Input Voltage: 14 to 28 Volts
- Resolution: 0.1 Volt
- Input Current: 150 mA max.
- Operating Temp.: -25°C to +60°C
- Accuracy: +/- 1% of full scale
- Warranty: 1 year

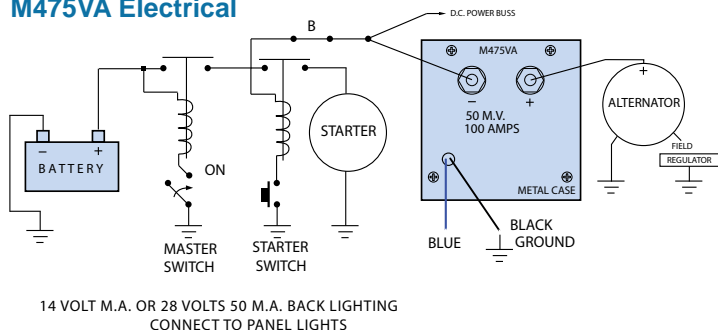
Features

- LOW CURRENT DRAIN .001 AMP
- PLUS OR MINUS 150.0 AMP RANGE
- PLUS 100.0 VOLT D.C. RANGE
- SUNLIGHT READABLE DISPLAY
- ONE TENTH AMP RESOLUTION
- ONE TENTH VOLT RESOLUTION
- FAA-PMA APPROVED

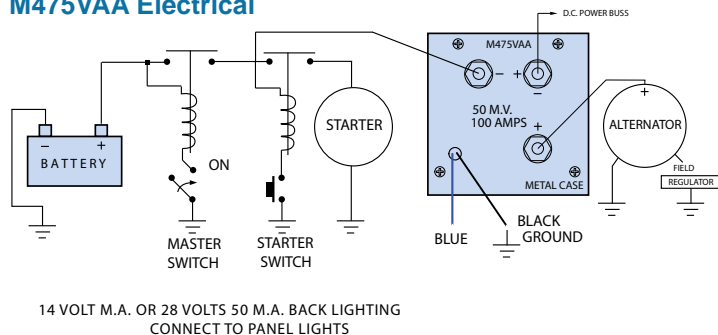
Mechanical



M475VA Electrical



M475VAA Electrical



INSTALLATION ELIGIBILITY FOR MODEL 475

- Waco Models Classic Waco F5 and Classic Waco F5C
- DAVTRON FAA PMA # PQ1062NM.

Part Number	Description
M475VA-5V	MODEL 475VA-5V 2 FUNCTION DC VOLTS & AMPS 5V LIGHTING
M475VA-5V-NVG	MODEL 475VA-5V-NVG 2 FUNCTION DC VOLTS & AMPS 5V LIGHTING W/ NVG
M475VA-R-5V	MODEL 475VA-R-5V 2 FUNCTION DC VOLTS & AMPS 5V LIGHTING REMOTE VERSION
M475VA-14V	MODEL 475VA-14V 2 FUNCTION DC VOLTS & AMPS 14V LIGHTING
M475VA-14V-NVG	MODEL 475VA-14V-NVG 2 FUNCTION DC VOLTS & AMPS 14V LIGHTING W/ NVG
M475VA-R-14V	MODEL 475VA-R-14V 2 FUNCTION DC VOLTS & AMPS 14V LIGHTING REMOTE VERSION
M475VA-28V	MODEL 475VA-28V 2 FUNCTION DC VOLTS & AMPS 28V LIGHTING
M475VA-28V-NVG	MODEL 475VA-28V-NVG 2 FUNCTION DC VOLTS & AMPS 28V LIGHTING W/ NVG
M475VA-R-28V	MODEL 475VA-R-28V 2 FUNCTION DC VOLTS & AMPS 28V LIGHTING REMOTE VERSION
M475VA-R-28V-NVG	MODEL 475VA-R-28V-NVG VOLT AMP METER WITH REMOTE 28V LIGHTING W/ NVG
M475VAA-5V	MODEL 475VAA-5V DC VOLTS/BATT AMP/ALT AMP 5V LIGHTING
M475VAA-5V-NVG	MODEL 475VAA-5V-NVG DC VOLTS/BATT AMP/ALT AMP 5V LIGHTING W/ NVG
M475VAA-14V	MODEL 475VAA-14V DC VOLTS/BATT AMP/ALT AMP 14V LIGHTING
M475VAA-14V-NVG	MODEL 475VAA-14V-NVG DC VOLTS/BATT AMP/ALT AMP 14V LIGHTING W/ NVG
M475VAA-28V	MODEL 475VAA-28V DC VOLTS/BATT AMP/ALT AMP 28V LIGHTING
M475VAA-28V-NVG	MODEL 475VAA-28V-NVG DC VOLTS/BATT AMP/ALT AMP 28V LIGHTING W/ NVG

Model 301



Features

- FAHRENHEIT OR CELSIUS
- MINIMUM PANEL SPACE
- LIGHT WEIGHT
- AUTOMATIC DIMMING
- MINIATURE REMOTE PROBE
- SUNLIGHT READABLE DISPLAY
- LASER ENGRAVED FACEPLATE
- FAA-PMA APPROVED

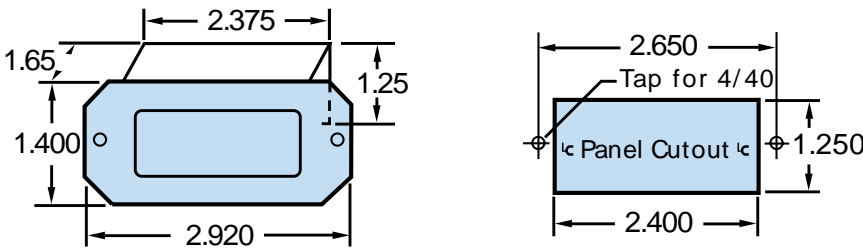
Includes the 12ft digital probe. If customer request analog probe, contact Davtron.



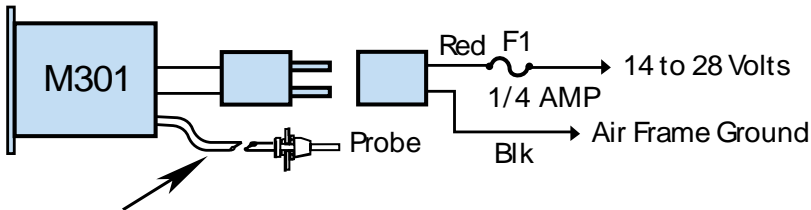
Specifications

- Temp. Range: 301C -40°C to +100°C Accuracy ±1% of full scale
 - Temp. Range: 301F -40°F to +199°F Accuracy ±1% of full scale
 - Input Voltage: 14 to 28 Volts
 - Input Current: 150 mA max.
 - LED Display
 - Operating Temp.: -25°C to +60°C
 - Weight: 4 ounces
 - Warranty: 1 year
- Complete with digital probe

Mechanical



Electrical



12ft Standard digital probe length

INSTALLATION ELIGIBILITY FOR MODEL 301

- Schweizer Model 269D
 - Diamond Aircraft Model DA20-A1
- DAVTRON FAA PMA # PQ1062NM.

Part Number	Description
M301C	MODEL 301C O.A.T. CELSIUS, AMBER LED (TEMP. PROBE INCLUDED)
M301C-A	301C WITH 3 PIN CONNECTOR FOR PROBE, AMBER LED (TEMP. PROBE INCLUDED)
M301C-GRN	O.A.T. CELSIUS WITH GREEN LED
M301C-A-GRN	301C WITH 3 PIN CONNECTOR FOR PROBE GREEN LED
M301C-WHT	O.A.T. CELSIUS WITH WHITE LED
M301C-A-WHT	301C WITH 3 PIN CONNECTOR FOR PROBE WHITE LED
M301F	MODEL 301F O.A.T. FAHRENHEIT (TEMP. PROBE, AMBER LED INCLUDED)
M301F-A	301F WITH 3 PIN CONNECTOR FOR PROBE, AMBER LED (TEMP. PROBE INCLUDED)
M301F-GRN	O.A.T. FAHRENHEIT GREEN LED
M301F-A-GRN	301F WITH 3 PIN CONNECTOR FOR PROBE GREEN LED
M301F-WHT	O.A.T. FAHRENHEIT WHITE LED
M301F-A-WHT	301F WITH 3 PIN CONNECTOR FOR PROBE WHITE LED
655-PROBE	PROBE-7FT-RB TEMP PROBE 7FT RED/BLK TWISTED (ANALOG) 301,303,307& 655 , NOTE: UNITS WITH "D" IN THE SERIAL # USE A DIGITAL PROBE
C307PS	PROBE-12FT-WHT-C307PS TEMPERATURE PROBE 12FT COAX (ANALOG) 301,303,307,655 & 803
C307PSM	PROBE-12FT-WHT-C307PSM TEMPERATURE PROBE 12FT COAX (ANALOG AD590MH, ENHANCE PRECISION TEMPERATURE) 301,303,307,655 & 803
D307PS	PROBE-12FT-WHT-D TEMP PROBE 12FT WHITE DIGITAL (FOR UNITS WITH "D" IN THE SERIAL #; MODELS 301, 303, 307 & 655)
PROBE-NICKEL-655-NUT	NUT FOR TEMP. PROBE (REQUEST ADDITIONAL O RING AND WASHER IF NEEDED)

Model 303



Includes the 12ft digital probe. If customer request analog probe, contact Davtron.

Features

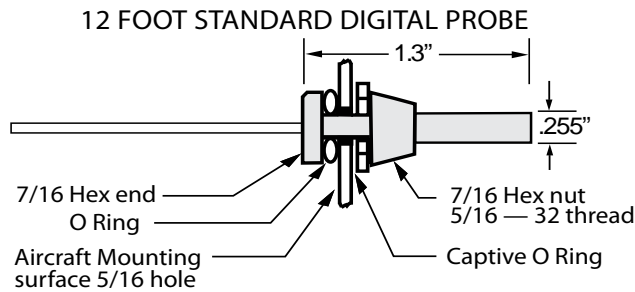
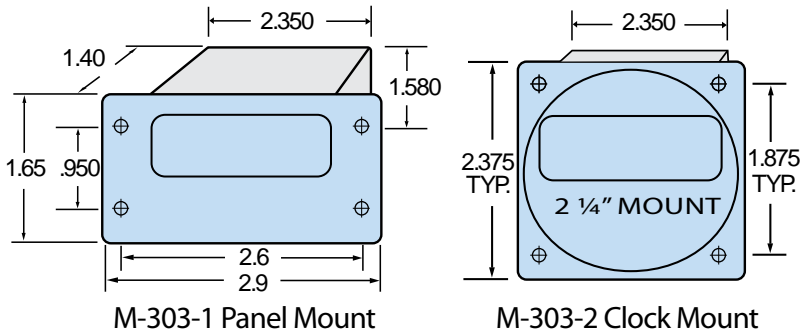
- LIGHT WEIGHT
- 2 1/4" STANDARD MOUNT OR FRONT MOUNT
- AUTOMATIC DIMMING
- MINIATURE REMOTE PROBE
- SUNLIGHT READABLE DISPLAYS
- OUTSIDE AIR TEMPERATURE (°F)
- OUTSIDE AIR TEMPERATURE (°C)
- AIRCRAFT VOLTAGE WITH ALARM
- LASER ENGRAVED FACEPLATE
- FAA-PMA APPROVED



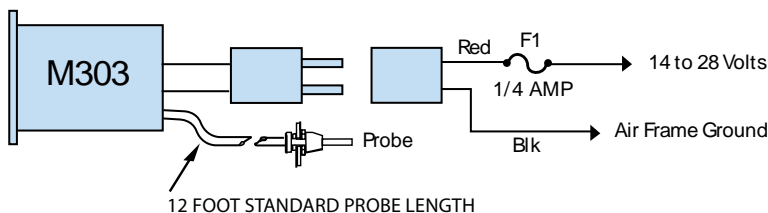
Specifications

- Temperature range: -40°C to +100°C, -40°F to +212°F
 - Operating Temp: -25°C to +60°C
 - Voltage Range: 10 to 32 Volts +/- 0.2 Volts Typ.
 - LED with automatic dimming
 - Input Voltage: 14 to 28 Volts
 - Input Current: 100 mA max.
 - Weight: 5 ounces
 - Warranty: 1 year
- Complete with digital probe

Mechanical



Electrical



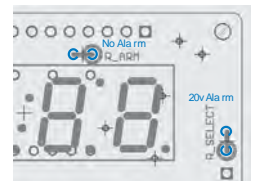
Part Number

Description

Part Number	Description
M303-1	MODEL 303-1 O.A.T. F & C VOLTAGE FRONT MOUNT (TEMP. PROBE INCLUDED)
M303-2	MODEL 303-2 O.A.T. F & C VOLTAGE REAR MOUNT (TEMP. PROBE INCLUDED)
655-PROBE	PROBE-7FT-RB TEMP PROBE 7FT RED/BLK TWISTED (ANALOG) 301,303,307& 655 , NOTE: UNITS WITH "D" IN THE SERIAL # USE A DIGITAL PROBE
C307PS	PROBE-12FT-WHT-C307PS TEMPERATURE PROBE 12FT COAX (ANALOG) 301,303,307,655 & 803
C307PSM	PROBE-12FT-WHT-C307PSM TEMPERATURE PROBE 12FT COAX (ANALOG AD590MH, ENHANCE PRECISION TEMPERATURE) 301,303,307,655 & 803
D307PS	PROBE-12FT-WHT-D TEMP PROBE 12FT WHITE DIGITAL (FOR UNITS WITH "D" IN THE SERIAL #; MODELS 301, 303, 307 & 655)
PROBE-NICKEL-655-NUT	NUT FOR TEMP. PROBE (REQUEST ADDITIONAL O RING AND WASHER IF NEEDED)

VOLTAGE ALARM

Unit default alarm set to ash 11v or below
 R_ARM & R_SELECT located on front board
 Alarm o /1.5 ohm resistor on R_ARM
 Alarm 20v or less/1.5 ohm resistor on R_SELECT



INSTALLATION ELIGIBILITY FOR MODEL 303

- Beech 35, A35, B35, C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, 35-33, and 35-A33
- DAVTRON FAA PMA # PQ1062NM.

Model 307FC



Model 307FCI



Model 307FCE



Features

- MINIMUM PANEL SPACE
- LIGHT WEIGHT
- AUTOMATIC DIMMING
- MINIATURE REMOTE PROBE
- LED DISPLAY
- SUNLIGHT READABLE DISPLAY
- LASER ENGRAVED FACEPLATE
- CENTRIGRADE
- FAHRENHEIT
- FAA-PMA APPROVED

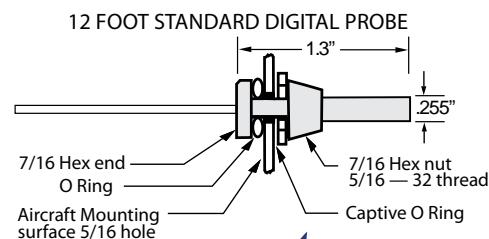
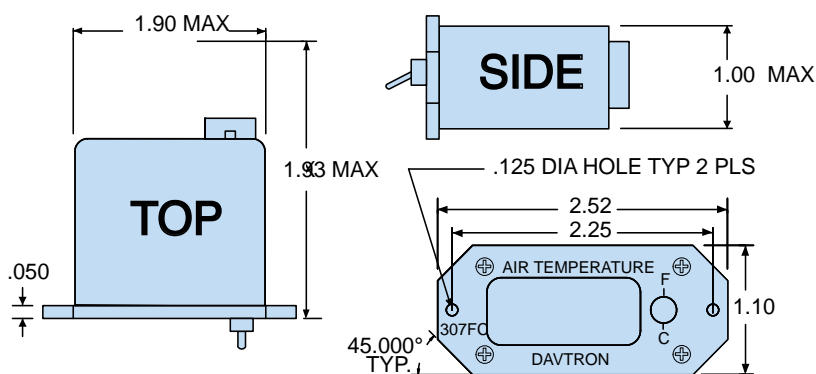
Includes the 12ft digital probe. If customer request analog probe, contact Davtron.

Specifications

- Temp. Range: 307FC -40°C to +100°C Accuracy ±1% of full scale
- Temp. Range: 307FC -40°F to +199°F Accuracy ±1% of full scale
- Input Voltage: 14 to 30 Volts
- Input Current: 150 mA max.
- Operating Temp. -25°C to +60°C
- Weight: 4 ounces
- Warranty: 1 year

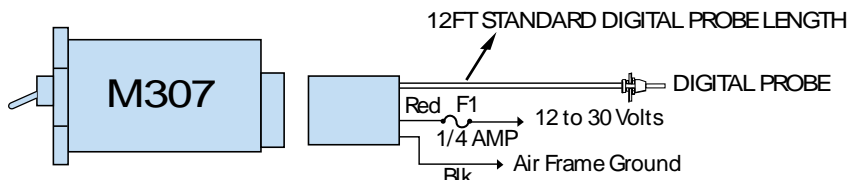
Complete with digital probe

Mechanical

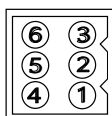


MADE IN USA

Electrical



- CONNECTOR PIN ASSIGNMENTS
- PIN 1 GROUND
 - PIN 2 DATA DIGITAL PROBE
 - PIN 3 GROUND DIGITAL PROBE & TEFLON SHIELD
 - PIN 4 12 to 30 VOLTS POWER INPUT
 - PIN 5 8VDC DIGITAL PROBE
 - PIN 6



CONNECTOR REAR VIEW

INSTALLATION ELIGIBILITY FOR MODEL 307FC-FCE

- Robinson Helicopter Models R22 and R44
- DAVTRON FAA PMA # PQ1062NM.

INSTALLATION ELIGIBILITY FOR MODEL 307FCI

- DeHavilland Models Dash-8, Series 100 (Model 101, 102, 103)
- DAVTRON FAA PMA # PQ1062NM.

Part Number	Description
M307FC	MODEL 307FC OUTSIDE AIR TEMPERATURE F & C (TEMP. PROBE INCLUDED)
M307FCE	MODEL 307FCE DIGITAL OAT (FC) & VOLTMETER (TEMP. PROBE INCLUDED)
M307FCE-GRN	MODEL 307FCE-GRN DIGITAL OAT (FC) VOLTMETER GREEN LED (TEMP. PROBE INCLUDED)
M307FCI	MODEL 307FCI OUTSIDE AIR TEMPERATURE F & C CABIN AIR (TEMP. PROBE INCLUDED)
M307FCI-GRN	MODEL 307FCI-GRN O.A.T. F & C CABIN AIR GREEN LED (TEMP. PROBE INCLUDED)
655-PROBE	PROBE-7FT-RB TEMP PROBE 7FT RED/BLK TWISTED (ANALOG) 301,303,307 & 655 . NOTE: UNITS WITH "D" IN THE SERIAL # USE A DIGITAL PROBE
C307PS	PROBE-12FT-WHT-C307PS TEMPERATURE PROBE 12FT COAX (ANALOG) 301,303,307,655 & 803
C307PSM	PROBE-12FT-WHT-C307PSM TEMPERATURE PROBE 12FT COAX (ANALOG AD590MH, ENHANCE PRECISION TEMPERATURE) 301,303,307,655 & 803
D307PS	PROBE-12FT-WHT-D TEMP PROBE 12FT WHITE DIGITAL (FOR UNITS WITH "D" IN THE SERIAL #; MODELS 301, 303, 307 & 655)
PROBE-NICKEL-655-NUT	NUT FOR TEMP. PROBE (REQUEST ADDITIONAL O RING AND WASHER IF NEEDED)

Model 307CD



Model 307FD



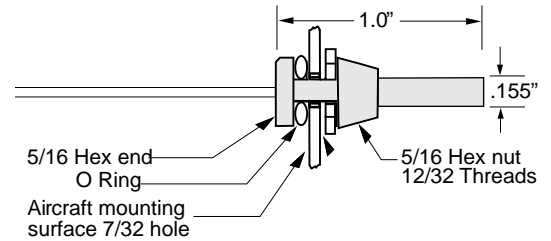
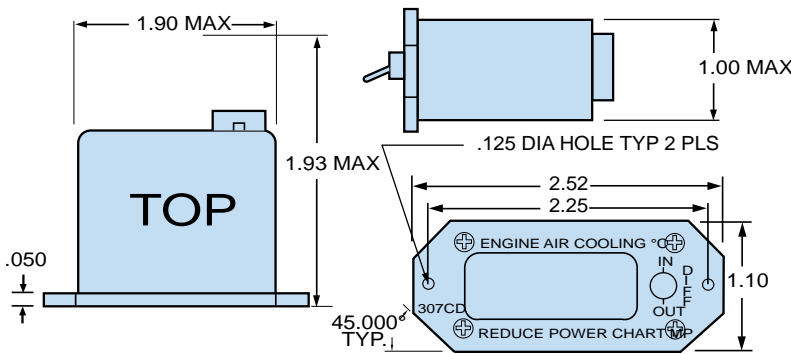
Features

- MINIMUM PANEL SPACE
- LIGHT WEIGHT
- AUTOMATIC DIMMING
- MINIATURE REMOTE PROBE
- SUNLIGHT READABLE DISPLAYS
- LASER ENGRAVED FACEPLATE
- FAHRENHEIT OR CELSIUS
- FAA-PMA APPROVED

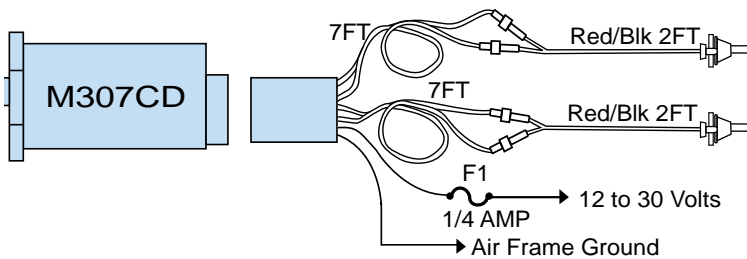
Specifications

- Temp. Range: 307CD -65°C to +150°C Accuracy ±1% of full scale
 - Temp. Range: 307FD -70°F to +290°F Accuracy ±1% of full scale
 - Input Voltage: 12 and 30 Volts
 - Input Current: 150 mA max.
 - Operating Temp.: -25°C to +60°C
 - Weight: 4 ounces
 - Warranty: 1 year
- Complete with analog probes

Mechanical

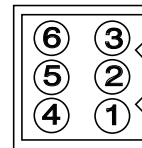


Electrical



CONNECTOR PIN ASSIGNMENTS

- PIN 1 GROUND
- PIN 2 8VDC T-OUT PROBE
- PIN 3 SIGNAL T-OUT PROBE
- PIN 4 12 to 30 VOLTS POWER INPUT
- PIN 5 8VDC T-IN PROBE
- PIN 6 SIGNAL T-IN PROBE



CONNECTOR REAR VIEW



INSTALLATION ELIGIBILITY

- Piper Aircraft Models PA-28-201-T, PA-28R-201T, and PA-28RT-201T
- DAVTRON FAA PMA # PQ1062NM.

Part Number	Description
M307CD	MODEL 307CD CELSIUS DIFFERENTIAL INTERCOOLER GAUGE WITH MINI TEMP. PROBE INCLUDED
M307FD	MODEL 307FD FAHRENHEIT DIFFERENTIAL INTERCOOLER GAUGE W/ MINI TEMP. PROBE INCLUDED
307CD-PROBE	PROBE-2FT-RB-MINI TEMP. PROBE (ANALOG), 307CD & 307FD

Model 903



903-2

Model 903

Front Mount



903-1

Model 903ID



903ID-2

Model 903ID

Front Mount



903ID-1

Features

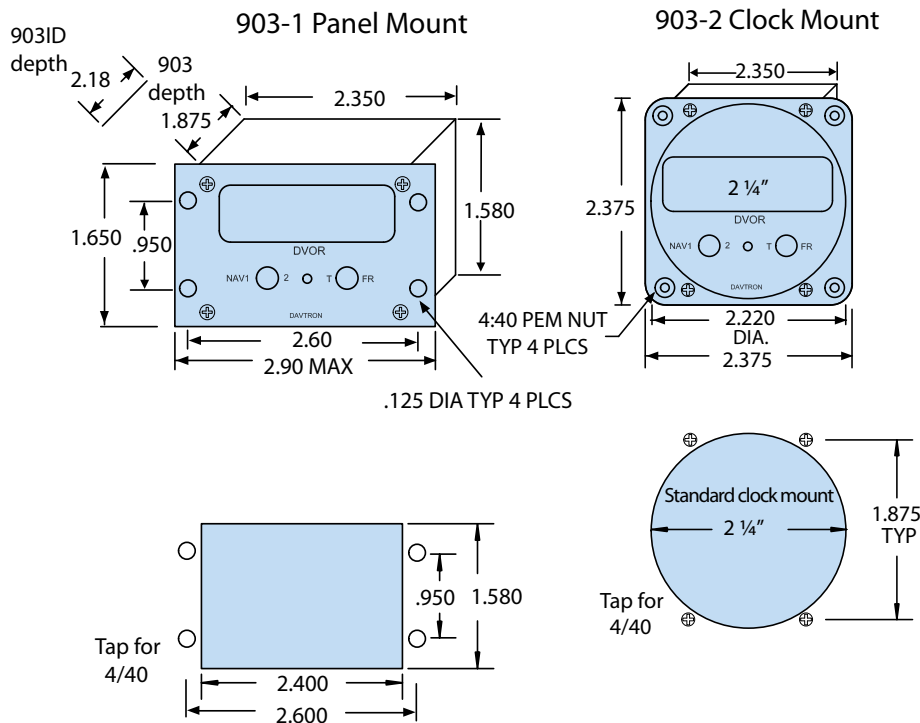
- AUTOMATIC VOR POSITION ORIENTATION
- LOCALIZER DEVIATION AND CENTERLINE
- ALPHANUMERIC STATION IDENTIFY "ID" M903ID
- INSTANT TO/FROM SWITCHING
- DIGITAL FILTERING AND SIGNAL PROCESSING
- AUTOMATIC DIMMING
- SUNLIGHT READABLE DISPLAY
- SERIAL ASCII OUTPUT OF STATION & RADIAL OFF FLAG, "---"
- FAA-PMA APPROVED

Specifications

- Input Voltage: 14 to 28 Volt
- Input Signal: 0.35 to 10 Volts
- Supply Current: 0.3 Amps
- Operating Temperature Range: -20°C to +55°C
- DVOR Accuracy: +/- 2 degrees
- Weight: 6 ounces
- Warranty: 1 year

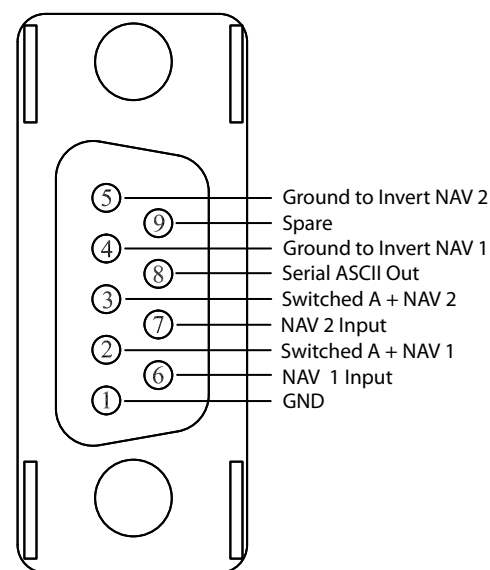


Mechanical



Part Number	Description
M903-1	MODEL 903-1 DVOR W/LOC BAR (FRONT MOUNT)
M903-2	MODEL 903-2 DVOR W/LOC BAR (REAR MOUNT)
M903ID-1	MODEL 903ID-1 903-1 DVOR WITH DIGITAL ID (FRONT MOUNT)
M903ID-2	MODEL 903ID-2 903-2 DVOR WITH DIGITAL ID (REAR MOUNT)

Electrical



INSTALLATION ELIGIBILITY FOR MODEL 903

- Beech Models 35, A35, B35, C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, 35-33, and 35-133
- DAVTRON FAA PMA # PQ1062NM.

655-PROBE (Analog)

C307PS or C307PSM (Analog)

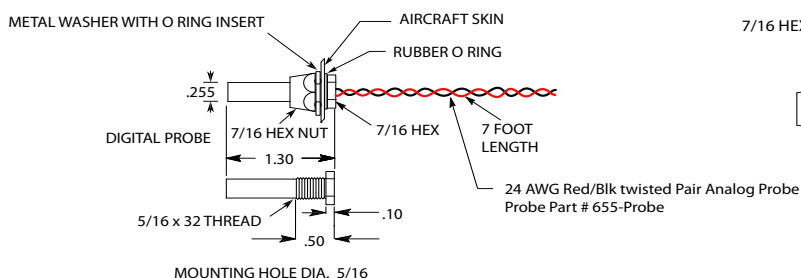
307CD-PROBE (Analog)

Features

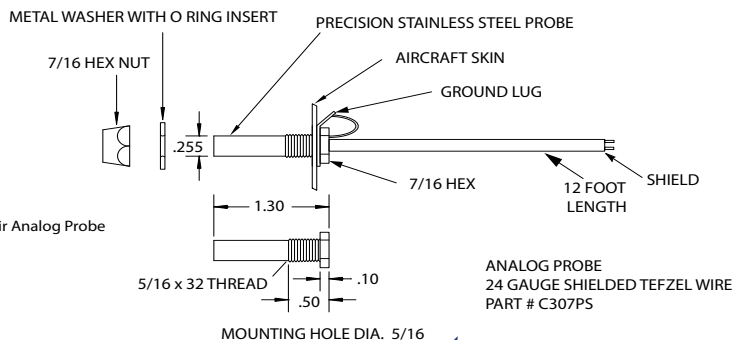


- Linear Current Output: 1uA/K (AD590KH) (AD590MH)
- Wide Temperature Range: -55°C to 150°C (AD590KH) (AD590MH)
- 2-Terminal Device: Voltage in/current out (AD590KH) (AD590MH)
- Wide Power Supply Range: 4 to 30 Volts (AD590KH) (AD590MH)
- Probe Case & Nut Nickel Plated
- Probe DO160 Salt-fog Tested

655-PROBE Mechanical



C307PS Mechanical



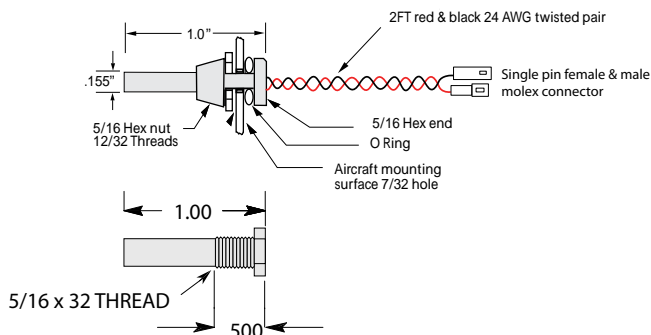
MADE IN USA

Part Number

Description

655-PROBE	Prices	PROBE-7FT-RB TEMP PROBE 7FT RED/BLK TWISTED (ANALOG) 301,303,307& 655 , NOTE: UNITS WITH "D" IN THE SERIAL # USE A DIGITAL PROBE
C307PS	Prices	PROBE-12FT-WHT-C307PS TEMPERATURE PROBE 12FT COAX (ANALOG) 301,303,307,655 & 803
C307PSM	Prices	PROBE-12FT-WHT-C307PSM TEMPERATURE PROBE 12FT COAX (ANALOG AD590MH, ENHANCE PRECISION TEMPERATURE) 301,303,307,655 & 803
PROBE-NICKEL-655-NUT	Prices	NUT FOR TEMP. PROBE (REQUEST ADDITIONAL O RING AND WASHER IF NEEDED)
307CD-PROBE	Prices	PROBE-2FT-RB-MINI TEMP. PROBE (ANALOG), 307CD & 307FD
D307PS	Prices	PROBE-12FT-WHT-D TEMP PROBE 12FT WHITE DIGITAL (FOR UNITS WITH "D" IN THE SERIAL #; MODELS 301, 303, 307 & 655)

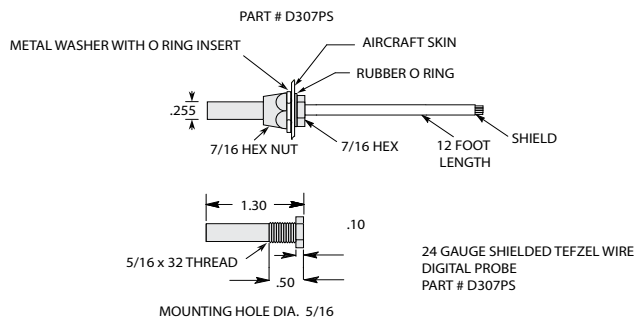
PART # 307CD-PROBE



D307PS (Digital)

Features

- UNIQUE 1-WIRE® INTERFACE REQUIRES ONLY ONE PORT PIN FOR COMMUNICATION
- EACH DEVICE HAS A UNIQUE 64-BIT SERIAL CODE STORED IN AN ONBOARD ROM
- MULTIDROP CAPABILITY SIMPLIFIES DISTRIBUTED TEMPERATURE SENSING APPLICATIONS
- REQUIRES NO EXTERNAL COMPONENTS
- CAN BE POWERED FROM DATA LINE. POWER SUPPLY RANGE IS 3.0V TO 5.5V
- PROBE CASE & NUT NICKEL PLATED
- PROBE DO160 SALT-FOG TESTED



THE CHOICE OF PROFESSIONAL PILOTS

MODEL 800



- GMT, LT, & ET
- ET counter (up/down), visual alarm
- External output for optional audio alarm (ET)
- Internal lighting
- AA Memory Battery (optional)
- NVIS Green A option

- UT, LT, FT, & ET
- FT & ET visual alarm
- External output for optional audio alarm (FT/ET)
- Aircraft Voltage
- OAT F/OAT C/12 ft. temp. probe
- Internal lighting
- AA memory battery or keep alive
- NVIS Green A option

MODEL 803



MODEL 307



- OAT (F) & OAT (C)
- Bright sunlight readable displays
- Automatic dimming
- 12 ft. temperature probe included

- Aircraft Voltage with flashing alarm
- Bright sunlight readable displays
- Automatic dimming

MODEL 450



MODEL 301



- Model 301F OAT (F)
- Model 301C OAT (C)
- Bright sunlight readable displays
- Automatic dimming
- 12 ft. temperature probe included

- OAT (F) & OAT (C)
- Pressure & Density Altitude with pressure alt. alarm
- Aircraft Voltage with flashing alarm
- 12 ft. temperature probe included

MODEL 655

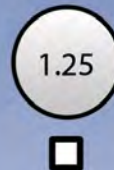
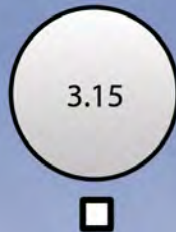
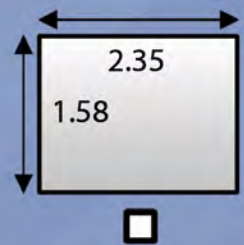
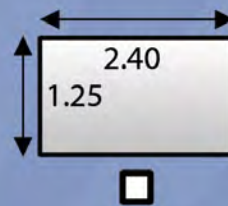
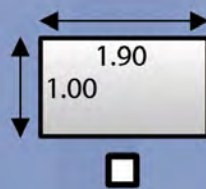


Davtron, Inc. has a new search feature that allows you to Narrow the product by function and fit. Check out <https://www.davtron.com/search-form.php> to learn more.

Select Features:

- Clock
- Temperature Fahrenheit
- Temperature Celsius
- Voltage
- Amp
- Pressure Density
- Pressure Altitude
- VOR
- Night Vision Green A

Select Installation Size:



Product Search Results:



M800



M803



M811



M850

Final Approach to Retirement: Celebrate with the Legacy of Davtron's D811C Clock

- Precision/Extreme Accurate Clock Ic
-Industrial - 40°c To 85°c
- Internal Lithium Battery 5 Years
- Over 100,000 Hours Rated Displays
- Laser Engraved
- Machined Alum - Housing Nickel
- Plated
- Led Backlighting



[Visit AviatorDeskClock.com](http://VisitAviatorDeskClock.com)

The M811C: A Timepiece with a Presidential Legacy



Fifty years ago, Davtron embarked on a mission to create a clock that would not only serve the functional needs of aviation but also become a symbol of reliability and history. The result was the 811 series clock, a masterpiece that would earn its place in the cockpits of one of the most iconic aircraft in history, Air Force One.

The journey of the 811 series began with its installation in the Air Force One aircraft SAM 26000 and SAM 27000. Since 1974, Davtron clocks have been a constant presence on all Air Force One planes, accompanying the presidencies of Richard Nixon, Gerald Ford, Jimmy Carter, Ronald Reagan, George H.W. Bush, Bill Clinton, and George W. Bush. These aircraft, especially the SAM 27000, served as the primary mode of aerial transportation for these leaders, becoming integral to their administrations and playing a critical role in both national and international affairs.

The M811C, an evolution of the original 811 series, carries this rich heritage into the present day. It offers not just the time but a piece of history, a reminder of significant moments that have shaped our world. Its presence is a nod to the past, a connection to the journey of U.S. Presidents and the crucial decisions made aboard the legendary SAM aircraft.

Moreover, the M811C clock's influence extends beyond the presidential aircraft. The U-2, a legendary reconnaissance aircraft, also featured the 811 series clock until its modernization in 2003. This adaptation further underscores the clock's significance in the realm of aviation, marking its presence in critical missions and historic flights.

Today, the M811C stands as a testament to Davtron's commitment to precision and quality. It is more than just a clock; it is a chronicle of aviation history, a tribute to the skies traversed by the most influential leaders of our time. Owning an M811C is like owning a piece of history, a constant reminder of the pivotal moments and the monumental journeys that have defined the modern era of aviation.

About Us

Davtron's design and manufacturing of avionics instruments began in the late 1960s when digital technology was just beginning. Dave Torresdal, a young pilot in Redwood City, California had an idea for a better way to tune an ADF indicator. He designed, engineered, and flight tested a digital indicator in his 1958 Commanche, and soon other local pilots were clamoring to buy one. Dave's second product was the 811B digital clock which has sold over 40,000 units worldwide and is still in production today.

As private pilots began utilizing these products, industry magazines published positive reviews and the company was well on its way to becoming a leader in digital avionics. Davtron's products have earned a reputation for their functional ease of use and for the type of LED displays which make our instruments' readability effective for both day and night flight. Davtron has built its reputation on quality products and excellent customer service. The company's variety of digital clocks, temperature gauges, voltmeters, and multi-function instruments provide business jets and smaller aircraft with the right instruments to suit all pilot needs.

In the early 1980's Davtron was approached by the Flight Crew of Air Force One and the Boeing Company to design and build a multi-function clock for the new Air Force One Presidential 747 fleet. This design displays three different time zones (Washington time, Local time, and Destination time) and all three are displayed in every cabin of the aircraft. This allows the President of the United States and his passengers to view the time in Washington DC, the local time zone they are flying through, as well as the time in their ultimate destination.

Davtron, Inc. has business relationships with many aircraft manufacturers worldwide including: Gulfstream Aerospace; Cessna Aircraft; Bombardier Learjet; DeHavilland; Canadair; Hawker Beechcraft; Robinson Helicopter; Bell Helicopter; Sikorsky Aircraft; Dassault Falcon Jet; British Aerospace; Israeli Aircraft Industries and Piaggio.

Whether you are a corporate pilot of a business jet transporting company executives worldwide, or a private pilot flying your own small aircraft for enjoyment, Davtron instruments help make your flight the best it can be.

Support

Technical Support: If you should need technical support, first check out the "Frequently Asked Questions" tab related to your unit. If you are unable to fix the problem, Davtron has on-site technicians who can help you step-by-step over the phone. You can call our main line at (866) 369-5588 and ask for technical support or email info@davtron.com.

Warranty Policy: Davtron's warranty policy is one year from date of installation on all parts, excluding batteries.

Repair Info: Davtron offers 2-5 days turn-around service on most repairs. We charge a flat labor rate of \$90.00, plus parts and shipping. If repairs are returned to factory via Federal Express®, we can sometimes get them out the same day. Davtron does not require a RMA #.

When sending in a unit for repair, include our repair form found on our website describing the problem occurring with unit as well as your return address and contact information.

Ship to:
Davtron, Inc.
Attn: Repair Dept.
427 Hillcrest Way
Emerald Hills, CA 94062

[Return Form](#)



www.davtron.com

866-369-5588 toll-free
650-369-9988 fax

427 Hillcrest Way
Emerald Hills, CA 94062