

M800 Digital Chronometer

- Greenwich mean time
- Local time
- Elapsed time counter
- Two-button operation is natural and error free, no accidental time setting
- High contrast LCD
- Special LCD is useable over a wide temperature range
- Elapsed time count down with alarm
- Quartz crystal precision time reference

P/N 800-14

P/N 800-28

Specifications

GMT	24-hr. format
Local Time	12-hr. format, 24-hr. option offered
Elapsed Time	Starts in min., sec. then hrs.;
Count Up	min. up to 99:59 hrs.
Elapsed	
Time Alarm	Activates @ 0 when counting down
Internal Lighting	100 mA @ 14V, 50 mA @ 28V
Keep Alive Current	.0003 AMPS 14V, .001 AMPS 28V
Voltage	14V or 28V; specify when ordering
Crystal Reference	-40° C to +60° C.001%
Warranty	1-year



M803 Digital Clock

- Universal time
- Local time
- Flight time—flight time alarm
- Elapsed time—count up/count down alarm
- Outside air temperature (F&C)
- Voltmeter

P/N 803-14

P/N 803-28

Clock Features

- Two button control system is natural and error free
- Setting operations are "Identical" for both alarm and time setting
- Sunlight readable display
- Display annunciations for UT, LT, FT and ET
- Flight time recorded in hours and minutes
- Flight time alarm with external output
- Elapsed time count down alarm with external output
- A 4 MHz crystal precision time reference

O.A.T./ Voltmeter Features

- One button control steps sequentially through E, F, C:
 - E—Voltage (EMF)
 - F—O.A.T. Fahrenheit
 - C—O.A.T. Centigrade
- Always selects to read voltage on power up for battery status check
- Input voltage: 14V or 28V
- Internal Lighting: 5V-14V or 28V
- Two-year battery backup standard



M811 Digital Chronometer

- Digital clock
- Flight time recorder
- Elapsed time meter
- Three independent 24-hr. six-digit (hours, minutes, seconds) solid state timing circuits
- Bright incandescent display
- Clock is set at factory to accurate (W.W.V.)
- Flight time starts on takeoff
- Elapsed time is controlled by pilot
- All three functions have a memory (once evaluated entire fleets have been updated)
- Standard is black, available in gray
- FAA-PMA approved

P/N 811B12

P/N 811B24



Specifications

Display	6-digit display on all 3 functions
Time Function	12 or 24-hr. clock configuration; specify when ordering
Flight Time Recorder	24-hr.
Elapsed Time Meter	24-hr.
Battery	6V to 1 AMPS hr. supplied with a typical 2-year operating life
Polaroid Filter	
Input Voltage	14V
Input Current	.4 AMPS
Mounting	
Surface Depth	2.8" maximum
Weight	7.5 oz.
Crystal Reference	.001% -40°C to +50°C
Warranty	1-year

M877 Digital Chronometer

- Greenwich mean time
- Local time
- Flight time recorded in hours, minutes or tenths of hours
- Elapsed time count down timer with alarm
- Bright sunlight-readable, incandescent displays
- Illuminated buttons and annunciators for night operations
- Automatic displays dimming
- Patent-pending, two-button control that is natural and error free, no accidental time setting
- Quartz crystal precision time reference

P/N 877-14

P/N 877-28



Specifications

GMT	24-hr. format
Local Time	12-hr. format, 24-hr. option
Flight Time	Records in 99:59 standard, 99.99 hr. option
Flight Time Alarm	Full set range flight time
Elapsed Time	Starts min., sec., then hrs., min. up to 99:59
Count Up	min. up to 99:59
Elapsed Time	Setable from one second to 59 min., 59 sec.
Count Down	59 sec.
Elapsed Time	
Count Alarm	Activates @ 0 when counting down

Sunlight Readable Incandescent Displays

Input Voltage	28V standard, 14V or 5V backlight available
Crystal Reference	-40° C to +60° C .001%

Automatic Dimming

Battery Type	AA Alkaline
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Polarizing Filter

Keep Alive	.00004 AMPS
Input Current	.2 AMPS
Weight	5 oz.
Warranty	1-year

MB800 Digital Chronometer

- Greenwich mean time
- Local time
- Elapsed time counter
- Two button operation is natural and error free, no accidental time setting
- LCD is high contrast and has patent pending night illumination system
- Special LCD is useable over a wide temperature range
- Elapsed time count down with alarm
- Quartz crystal precision time reference
- Cream color face is standard, black optional
- MB800 fits most Beechcraft airplanes

P/N MB800



Specifications

GMT	24-hr. format
Local Time	12-hr. format, 24-hr. option offered
Elapsed Time	Starts in min., sec., then hrs.,
Count Up	min. up to 99:59 hrs.
Elapsed Time	Setable from one second to
Count Down	59 min., 59 sec.
Elapsed	
Time Alarm	Activates @ 0 when counting down
Internal Lighting	100 mA @ 14V, 50 mA @ 28V
Keep Alive Current	.0003 AMPS 14V, .001 AMPS 28V
Voltage	14V or 28V; specify when ordering
Crystal reference	-40° C to +60° C .001%
Warranty	1-year

M880 Military NVG Digital Clock

Features

- 3 ATI mount military clock
- Two-button control system is natural and error free
- Setting operations are identical for all features
- Control switch has remote capability
- Incandescent displays
- N.V.G. filter
- Manual dimming of the display
- Full six-digit display selectable GMT/local time/elapsed time
- Elapsed time is count up or down
- 4 megahertz crystal precision time reference
- Keep alive battery with three-year life
- 2-year battery backup standard

P/N M880A



Specifications

GMT	Full 6-digit, hr./min./sec.
Local Time	24-hr., 4-digit
Elapsed Time	4-digit, starts min., sec. then
Count Up	hrs. & min. up to 99:59
Elapsed Time	Setable from one second to
Count Down	59 min. 59 sec.
Elapsed	Activates @ 0 when counting down
Time Alarm	& flashes display. N.V.G. compatible
Battery	AA Alkaline
Input Current	500 mA
Input Voltage	28VDC
Weight	10 oz.
Warranty	1-year

M850 Digital Chronometer

- Greenwich mean time
- Local time
- Flight time recorded in hours, minutes or tenths of hours
- Elapsed time count down timer with alarm
- 2 ATI mount commercial clock
- Bright sunlight-readable, incandescent displays
- Illuminated buttons and annunciators for night operations
- Automatic displays dimming
- Patent-pending, two-button control that is natural and error free, no accidental time setting
- Quartz crystal precision time reference

P/N 850-24

P/N 850-24N06



Specifications

GMT Time	24-hr. format
Local Time	12-hr. format, 24-hr. option
Flight Time	Records in 99:59 standard, 99.99 hr. option
Flight Time Alarm	Full set range flight time
Elapsed Time Count Up	Starts min., sec., then hrs., min. up to 99:59
Elapsed Time Count Down	Setable from one second to 59 min., 59 sec.
Elapsed Time Count Alarm	Activates @ 0 when counting down

Sunlight Readable Incandescent Displays

Input Voltage	28V standard, 14V or 5V backlight available
Crystal Reference	-40° C to +60° C .001%

Automatic Dimming

Battery Type	AA Alkaline
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Polarizing Filter

Keep Alive	.00004 AMPS
Input Current	.2 AMPS
Weight	5 oz.
Warranty	1-year

M450 Digital Voltmeter

- Minimum panel space
- Lightweight
- Automatic dimming
- Incandescent display
- Operates from 14V or 28V

P/N 450



Specifications

Range	8V to 35V
Input Current	150 mA
Resolution	1V
Weight	3 oz.
Accuracy	± 1% of full scale
Operating Temperature	-20°C to +60°C
Warranty	1-year

M655 5-Function Indicator

A computer based product that brings digital information to the pilot at the push of a button.

- Outside air temperature (°F)
- Outside air temperature (°C)
- Pressure altitude
- Density altitude
- Aircraft voltage

All five functions in one small indicator

P/N 655-1—Panel Mount

P/N 655-2—Clock Mount



Specifications

Density Altitude	-10,000 to 70,000'
Voltage Range	10V to 32V
Pressure Altitude	-1,000 to 62,700' (Depends on encoder range.)
Input Voltage	14V or 28V
Flashing Annunciator	
Character on Incorrect	
Input Current	.35 AMPS maximum
Weight	5 oz.
Temperature Range	-55°C to +100°C (±2°C); -67°F to +212°F
Warranty	1-year

M650 Pressure Altitude

The model 650 is a digital readout for the blind encoding altimeter, which reads altitudes from minus 1,000' to plus 30,700' in one hundred foot increments. It displays the altitude your transponder is reporting to ATC, and becomes an emergency altimeter back up.

P/N 650-1—Panel Mount

P/N 650-2—Clock Mount

Features:

- Digital pressure altitude for density altitude conversion, etc.
- Direct readout of encoding altimeter verifying proper operation
- Minimum panel space
- Lightweight
- Automatic dimming
- Incandescent display
- Panel or clock mount
- Altitude polarity
- Blanks in incorrect gray code inputs

Specifications

Weight	4 oz
Display	3-digit
Input Impedence	1 meg. Type.
Input Current	150 mA
Input Voltage	14V or 28V
Warranty	1-year



301C Digital Outside Air Temperature

- 301C—°C only O.A.T.
- 301F—°F only O.A.T.

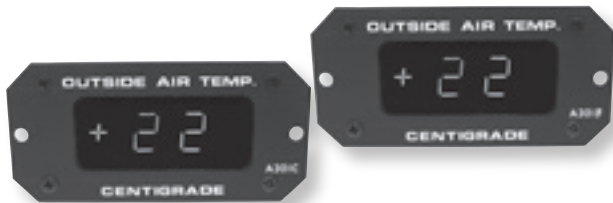
The digital O.A.T. replaces one of the most difficult instruments to read in the cockpit, and is particularly helpful for night or IFR flying.

P/N 301C

P/N 301F

Features

- Minimum panel space
- Light weight
- Automatic dimming
- Miniature remote probe
- Incandescent display
- Auto polarity



Specifications

301C Range	-40°C to +100°C
301F Range	40°F to +199°F
Input Current	-130 mA maximum
Operating Temperature	-15°C to +60°C
Accuracy	- 1% of full scale
Weight	4 oz.
Warranty	1-year

M303 Digital Temperature Gauge

- Outside air temperature °F
- Outside air temperature °C
- Aircraft voltage

P/N 303-1—Panel mount

P/N 303-2—Instrument mount



M307 Digital Temperature Gauge

This smaller O.A.T. replaces one of the most difficult instruments to read in the cockpit. The Model 307 brings both Fahrenheit and Centigrade to the pilot at a flip of the switch.

P/N 307FC

Features

- Minimum panel space
- Automatic dimming and displays
- Lightweight; 50 grams
- Accuracy $\pm 2^\circ \text{C}$ over -55°C to $+150^\circ \text{C}$
- Input voltage: 11VDC to 32VDC



903 Digital VOR Indicator

- Localizer
- Morse code identifier
- Automatic VOR position orientation
- Instant to/from switching
- Alpha-numeric station identifier
- Localizer deviation and course center line
- Digital filtering and signal processing
- Sunlight readable incandescent display
- Automatic display dimming
- Off FLAG
- Panel mount (1.65" x 2.9") or 2 1/4" clock mount
- Serial ASCII output

P/N 903-1

P/N 903-1ID

P/N 903-2

P/N 903-2ID



Specifications

Volt Operation	14V or 28V
Input Signal	0.35V to 10V
Supply Current	0.3 AMPS
Operating	
Temperature Range	-20°C to $+55^\circ \text{C}$
DVOR Accuracy	$\pm 2^\circ$
Weight	6 oz.
Warranty	1-year