16 function digital gauge cluster for car/RV/boat
Tach, Temp, Volt, Fuel, Oil, RPM, MPH, Amps, and more

- *8 user configurable instrument panels*
- *Huge 5" X 3.5" GRAPHIC LCD display*
- *COMPACT 7" X 6" X 1.55" sealed aluminum enclosure*
- *Works with most existing senders*
- *Min/Max alarms for all inputs*
- *Cascade units for up to 16 functions*
- *Remote Control and display on PC/PDA included*
- *PC/PDA data logging included*
- *Field upgradeable*
- *Only 1.55" thick - easily fits into dash*

Ideal as marine and boat gauge replacements or upgrades. They can also be used in automotive and RV applications as additional instrument clusters.

Units are capable of displaying multiple functions including digital tachometer, RPM, MPH, engine temperature, manifold temperature, exhaust temperature, oil pressure, water pressure, volts, amps, MAP, fuel level, battery charge, **and more** - all in a single multi-function gauge cluster.
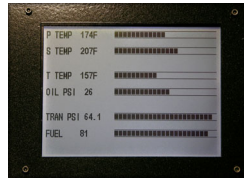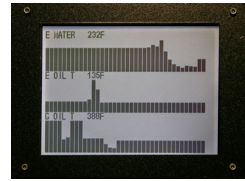
All sender/sensor inputs are programmable to match existing equipment. No need to replace senders. High/Low alarms are programmable for each sensor. Pick and choose your own sender combinations. Unique customizable calibration tables are available for all types of senders and can be downloaded to unit using serial or wireless interface. Simply modify a text file to suit you sensor application. Units can be configured for most standard automotive and marine senders.

NMEA 0183 RS232 and Bluetooth wireless interfaces are available to attach to PC/Laptop/PDA for real-time viewing and data logging of gauge reading. View and log sensor inputs from outside your car/boat in real-time.

Units are stock with 3 temperature inputs, 2 voltage inputs, 2 pressure inputs, Fuel input, and 2 pulse inputs. Other configurations are available.

Units have 6 different graphic display modes -

- **Data Display -** Values are displayed with Text labels and digital readouts. Up to 12 can be chosen for each of 8 possible groups.
- **Histogram Display -** Sensor value is displayed with Text Label and digital readout along with a 64-bar Histogram that tracks values over user configured time interval from 15 seconds to several hours. Great for showing trends.
- **Bar Graph Display -** Sensor labels and values are displayed with a 24 segment Bar Graph from Min to Max. Up to 6 can be chosen for each of 8 possible groups. Great for comparing different sensors side-by-side.
- **Digital Gauge Display -** Sensor labels and values are displayed with a dial gauge with 8 segments from Min to Max. Up to 12 can be chosen for each of 8 possible display groups. Great for comparing different sensors side-by-side.
- **Large Dial Display –** Ideal for RPM and MPH display. Include digital readout and graphic fill around perimeter. Up to two can chosen per display page.

Chetco Digital Instruments, Inc.

Digital Dial Mode

Bar Graph Mode

Histogram Mode

Digital Data Mode

Specifications

FEATURE	GAUGE-G12	GAUGE-G8	GAUGE-X4	GAUGE-X2
Display type	LCD / LED Backlight	VFD	LCD	LCD or VFD
Display resolution	320X240	256X128	20X4 characters	24X2 characters
Display lines	(6 or 12) by 40	(8 or 16) by 24	4 by 2	2 by 2
Gauge display pages	8	8	8	8
MAX Gauges per Page	12	16	8	4
Gauge Modes	6	8	4	4
	Text, Small text, Dial, Large Dial, Bar graph, Histogram,	Text, Small text, Large text, Dial, Large Dial, Bar graph, Histogram,	Text, Dial, Bar graph, Histogram	Text, Dial, Bar graph, Histogram
Bar Graph resolution	24	128	16	12
Histogram resolution	40X64	128X64	10X16	12X8
Display update rate	2 per sec	2 per sec	2 per sec	2 per sec
NMEA update rate	16 per sec	16 per sec	16 per sec	16 per sec
Analog Inputs	8	8	8	8
Pulse Inputs	2	2	2	2
NMEA Inputs	8	8	8	8
NMEA Outputs	16	16	16	16
Serial Ports	2	2	2	1
Input types	Temp 0-400°F, Temp 80°-2500°F, PS I 0-150, Volt 0-30, Amp +/-100, Fuel Level 10-230 OHM, Pulse 0-12V	Temp 0-400°F, Temp 80°-2500°F, PS I 0-150, Volt 0-30, Amp +/-100, Fuel Level 10-230 OHM, Pulse 0-12V	Temp 0-400°F, Temp 80°-2500°F, PS I 0-150, Volt 0-30, Amp +/-100, Fuel Level 10-230 OHM, Pulse 0-12V	Temp 0-400°F, Temp 80°-2500°F, PS I 0-150, Volt 0-30, Amp +/-100, Fuel Level 10-230 OHM, Pulse 0-12V
Alarms High/Low	8	8	8	8
Calibration Tables	8	8	8	8
Calibration resolution	256 X 6 character	256 X 6 character	256 X 6 character	256 X 6 character
Display Labels	16 X 8 character	16 X 8 character	16 X 8 character	16 X 8 character
Power	450 mA at 9V	850 mA at 9V	300mA at 12V	250 mA at 12V
Case Dimension	7.0″ X 6.0″ X 1.5″	7.0″ X 5.0″ X 1.5″	7.0″ X 5.0″ X 1.5″	7.25″ X 2.75″ X 3″
Module Dimension	5.75″ X 4.6″ X 1.6″	5.75″ X 2.6″ X 1.6″	5.75″ X 2.6″ X 1.6″	-
SMRP Case	$895	$895	$695	$395
SMRP Module	$649	$649	$449	-

* Prices effective 11/2006. Prices and specifications subject to change
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