16 function color digital gauge for car/RV/boat

Tach, Temp, Volt, Fuel, Oil, RPM, MPH, Amps, and more

- *User configurable instrument labels*
- *Huge 5.7" COLOR GRAPHIC LCD display*
- *Compact 7.5" X 6.5" X 1.75" sealed aluminum enclosure*
- *Works with 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 1.75" thick - easily fits into dash*

Shows up to 16 digital gauge readings on one display. Text labels and positions are configurable using on screen menus. Show from 1 to 12 **readings at a glance.** Multiple display formats are available. Up to 8 analog inputs and up to 16 NMEA 0183 or HOLLEY COMMANDER 950 inputs via serial port. Other options are available for ODBII interfaces to display real-time ECM data in gauge formats. Attach additional remote sensor units for up to 32 functions.

Units are capable of displaying multiple functions including digital tachometer, RPM, MPH, engine temperature, manifold temperature, exhaust temperature, oil pressure, water pressure, volts, amps, O2, MAP, fuel level, battery charge, **and more** - all in a single multi-function gauge cluster.

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

Compact solid aluminum case is easy to mount in any location. Anti-glare faceplate provides viewing in sunlight and has a protective finish to resist scratches. Cases are CNC machined out of billet aluminum stock and painted metallic black with a hardened clear coat finish to prevent corrosion. Sealed touch screen option provides durable operation in the harshest of climates.
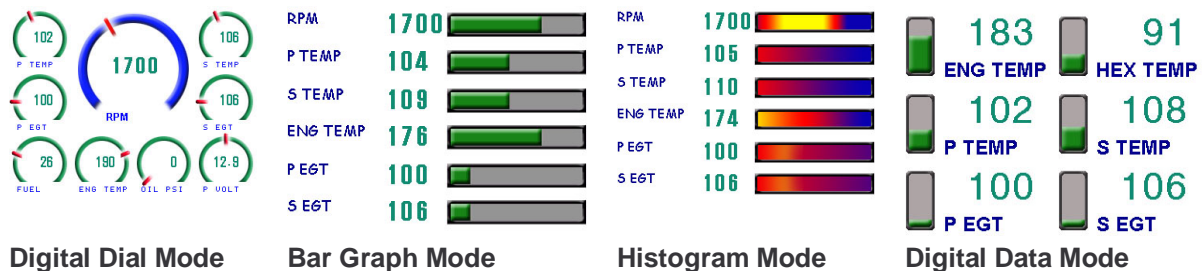
All sender/sensor inputs are programmable to match existing equipment. No need to replace senders. High/Low alarms are programmable for each sensor. Pick and choose your own sender combinations. Unique customizable calibration tables are available for all types of senders and can be downloaded to unit 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.

Both a RS232 and USB interface 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.

Up to 32 inputs when used with multiple vGauge-Remote sensor units. Six function stand-alone gauge option also available.

Units have 10 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 display 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 6 can chosen per display page.

Digital Dial Mode   **Bar Graph Mode**   **Histogram Mode**   **Digital Data Mode**

Chetco Digital Instruments, Inc.

Specifications

FEATURE	vGAUGE-G12C	vGAUGE-G12N	vGAUGE-G12CP	vGAUGE-G12CS
Display type	5.7" Color LCD	4" Color LCD	5.7" Color LCD	4.3" Color LCD
Display resolution	320X240	320X240	320X240	480X272
Display lines	(6 or 12) by 40	(6 or 12) by 40	(6 or 12) by 40	(6 or 12) by 60
Gauge Pages	8	8	8	8
MAX Gauges per Page	16	16	16	16
Gauge Modes	6	6	6	6
	Text, Small text, Dial, Large Dial, Bar graph, Histogram,	Text, Small text, Dial, Large Dial, Bar graph, Histogram,	Text, Small text, Dial, Large Dial, Bar graph, Histogram,	Text, Small text, Dial, Large Dial, Bar graph, Histogram,
Bar Graph resolution	24	24	24	24
Histogram resolution	256X128	40X64	40X64	40X64
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[1]	16/32	16	16	16
Pulse Inputs[1]	3/6	3	3	3
NMEA Inputs	16	16	16	16
NMEA Outputs	16	16	16	16
Ports	1Serial / 1 USB	1Serial / 1 USB	1Serial / 1 USB	1Serial / 1 USB
Input types[1]	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	16	16	16	16
Calibration Tables	16	16	16	16
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	850 mA at 9V	650 mA at 9V	850 mA at 9V	450 mA at 5V
Case Dimension	7.5″ X 6.5″ X 2.5″	5.5″ X 4.5″ X 1.5″	7.5″ X 6.5″ X 2.5″	4.5″ X 3.6″ X 1.3″
Case Type	Painted CNC Aluminum	NMEA 4 Flush Mount	ABS Plastic	ABS Plastic

1) When used with vGauge-Remote sensor unit