





24 function color digital gauge for car/RV/boat

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

- User configurable touch screen instrument panel
- Huge 12.1" SUNLIGHT COLOR GRAPHIC LCD display
- Glass-on-Glass Touch screen for durable operation
- Compact 12.6" X 9.85" X 1.75" flush mount aluminum enclosure
- Large 800 X 600 pixel format for dual engine installations
- Color alerts and Min/Max alarms for all inputs
- Separate Remote Sensor Unit simplifies in-dash wiring
- · Remote switching option via touch screen buttons
- Direct NMEA 2000 network interface option
- Only 1.75" thick easily fits into dash

Display up to 16 digital gauges and 12 digital switches on one virtual instrument panel. Use supplied PC software to create up to eight customized screens easily accessed via touch screen menus. Show from 1 to 24 **readings at a glance**. Chose from multiple color graphic display formats. 12 analog inputs (Temperature/Pressure/Volts/Fuel) and 3 pulse inputs (RPM/MPH) can be shown from attached remote sensor units located up to 150 feet away. Other options are available for NMEA 2000 and NMEA 0183 to show network data in gauge formats. Attach additional remote sensor units for up to 32 functions.

vGaugeG32N is 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 for gauge replacements or upgrades. This unit can also be used in boat, automotive and RV applications as additional instrument clusters.

Compact solid aluminum case is easy to flush mount in any location. Large touch sensitive color display provides viewing in sunlight and allows easy selection of gauges and switches. Programmable alarms use color and audio indicators to warn of damaging conditions. Full SVGA panel can show dual engine instrumentation side-by-side on one screen.

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.

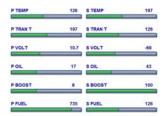
All screen graphics and unit firmware be can updated in the field using SD Flash memory card. Just load new display graphics from PC and insert memory card for instant updates. Create your own custom gauge formats.

Up to 32 inputs when used with multiple vGauge-Remote sensor units. An additional 8/12 remote switches can also be controlled from touch menus with optional vSwitch module.

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.
- **Text Display -** Sensor value is displayed with Text Label and digital readout along with in three different sized text boxes.
- **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

Large Dials Mode

vBars Data Mode



Specifications

| FEATURE | vGAUGE-G12C | vGAUGE-G12N | vGAUGE-G24N | vGAUGE-G32N |
|---|---|---|---|--|
| Display type Display resolution Gauge Layout | 320X240 | 4" Color touch LCD 320X240 4 columns by 3/6 rows | 8.4" Color touch LCD 640X480 8 columns by 6/12 rows | 12.1" Color touch LCD 800X600 10 columns by 8/16 rows |
| Gauge Pages MAX Gauges per Page Gauge Display Modes | 8 12 10 Text, Small text, Dial, Large Dial, Bar graph, Histogram, Bar text | 8 12 10 Text, Small text, Dial, Large Dial, Bar graph, Histogram, Bar text | 8 24 10 Text, Small text, Dial, Large Dial, Bar graph, Histogram, Bar text | 8 24 10 Text, Small text, Dial, Large Dial, Bar graph, Histogram, Bar text |
| Bar Graph resolution Histogram resolution | 24 256X128 | 24 40X64 | 24 40X64 | 24 40X64 |
| Display update rate NMEA update rate | 2 per sec 16 per sec | 2 per sec 16 per sec | 2 per sec 16 per sec | 2 per sec 16 per sec |
| Analog Inputs¹ Pulse Inputs¹ NMEA Inputs NMEA Outputs Remote Switch² Ports | 12 3 16 16 8 1 Serial / 1 USB | 12 3 16 16 8 8 1 Serial / 1 USB | 12 3 16 16 16 2 Serial | 12 3 16 16 16 2 Serial |
| Input types ¹ | 2500°F, PS 0-150, Volt 0-30, Amp +/-100, Fuel | | Temp 0-400°F, Temp 80°- 2500°F, PS 0-150, Volt 0-30, Amp +/-100, Fuel Level 10-230 OHM, Pulse 0-12V | Temp 0-400°F, Temp 80°-2500°F, PS 0-150, Volt 0-30, Amp +/-100, Fuel Level 10-230 OHM, Pulse 0-12V |
| Alarms High/Low Calibration Tables Calibration resolution Display Labels | 16 16 256 X 6 character 16 X 8 character | 16 16 256 X 6 character 16 X 8 character | 16 16 256 X 6 character 16 X 8 character | 16 16 256 X 6 character 16 X 8 character |
| Firmware Update | USB | USB | SD Flash Card | SD Flash Card |
| Power | 850 mA at 5V | 650 mA at 12V | 1120 mA at 12V | 1420 mA at 12V |
| Case Dimension | 7.5" X 6.5" X 2.5" | 5.5" X 4.5" X 1.5" | 9.8" X 7.9" X 1.7" | 12.6" X 9.85" X 1.8" |
| Case Type | Painted CNC Aluminum | NMEA 4 Flush Mount | NMEA 4 Flush Mount | NMEA 4 Flush Mount |

When used with vGauge-Remote sensor unit
 When used with optional vSwitch module
 Prices effective 08/2010. Prices and specifications subject to change
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