

WE SENSE DISASTER...
AND NOW YOU ARE IN CONTROL...

DC Voltage Monitoring Sensors



The DC Voltage Sensor allows the user to integrate a custom sensor to the sensorProbe while still retaining all of the features of the standard sensors. The DC Voltage sensor has the full range of functionality including snmp integration, email and trap generation upon settable limits and thresholds.

Customers have added pressure transducers, Solar Power Monitors, Battery Monitors, have integrated the sensorProbe into laboratory test equipment, and many other uses.

DC Voltage Sensors can be used by OEMs and engineers to create their own custom data collection systems. The user can configure sensor input voltage range from -60 to 0 volts or 0 to 60 volts. DC Voltage sensors can provide real time data from the world around them.

Readings are available in both an absolute value and a percentage of full scale. Full scale is user programmable with both the base and top voltage from -60 to 0 or 0 to 60 volts. The web interface for the DC Voltage Sensor is now redesigned to ease the settings when used with the external sensor. The unit of a measured entity can be customized to any text, e.g. Lbs for measuring the pressure. All numbers are now in a decimal point format; hence, it is possible to enter 12.8 Volts or 75.7 Lbs in threshold settings, for example. The display in graph, emails, and traps are now in a decimal point format as well.

SNMP interface for alarm/normal status. SNMP traps sent when status changes. SNMP polling via get available. Web browser interface available. When an alarm condition is activated the description and location of the fault can be sent via email

Specifications

- Measurement range - -60 to + 60 volts with status High Warning, Low Warning, High Critical, Low Critical
- Communications cable - RJ45 jack to sensor using UTP Cat 5 wire, Maximum extension cable length 100 foot with approved low capacitance shielded cable or UTP.
- Resolution - 10 bit A/D converter
- Accuracy - $\pm 1\%$
- Conversion time - 280uSec
- Measurement rate - multiple readings every second

Features

- Power source: powered by the sensorProbe. No additional power needed.
- sensorProbe autodetects the presence of the security sensor
- Up to 2 security sensor per sensorProbe
- Full autosense including disconnect alarm