Isolated DC Voltage Sensor (IDCV00)

The Isolated Digital Voltmeter allows the user to integrate a custom sensor to the sensorProbe or securityProbe while still retaining all of the features of the standard sensors. The Digital Voltmeter has the full range of functionality including SNMP integration, email and trap generation upon settable limits and thresholds.

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

Technical Specification

Measuring Specifications	
Voltage Input	Selectable Voltage input : ± 0~60 VDC ± 0~5 VDC with 0.001 V resolution and 1% FS accuracy
Status Indication	LED indication for power LED indication for status LED indication for over voltage
Input Impedance :	1.6 MOhm when set at the high scale (60 Volt maximum) and 1.1 MOhm when set at the low scale (5 volt maximum)
Isolation Voltage :	1600 VDC
Inputs	2 pin phoenix connector for Voltage measurement Voltage range input selector switch
Components	Manufactured using highly integrated, low power surface mount technology to ensure long term reliability.
Operating Environment	Temperature : Min. -35° C – Max.80° C Humidity: Min. 20% – Max. 80% (Non-Condensing)
Interface	
Communications cable :	RJ-45 jack to sensor using UTP CAT5e/6 cable
Power source :	Powered by the controller unit. No additional power needed
Power Consumption :	Typical xx mWatt, xx mA
Maximum Cable Length :	The iSolated DC Voltage sensor can be extended from the RJ-45 Intelligent Sensor ports on the base units up to 60 feet, or 18 meters using standard CAT5/6 LAN cable
Dimensions	65(W) x 62(H) x 15(D) mm
Mounting	DIN rail mounting Screw mounting
Sensor count	1

IDCV00 - Technical Drawing