PRESSURE SENSORS SERIES FM60 MODEL No. FM65 - USB

POSSIBLY THE ULTIMATE SOLUTION FOR INTERFACING INDUSTRIAL SENSORS TO ON LINE COMPUTERS

WE HAVE COMBINED ESTABLISHED PRESSURE SENSOR TECHNOLOGY WITH STATE OF THE ART DIGITAL COMMUNICATION

GONE ARE ALL THE PROBLEMS ENCOUNTERED WHEN USING A SYSTEM INTERFACE

- NO PREVIOUS EXPERIENCE NEEDED
- NO COMPLICATED SOFTWARE TO MASTER
- NO DIFFICULT ' LOG ON ' PROCEDURES

JUST INSTALL THE FREE SOFTWARE AND USE YOUR SPREAD SHEET TO RECORD AND STORE REAL TIME INFORMATION

UNIVERSAL SERIAL BUS USB DIRECT DIGITAL INTERFACING

Model No FM65
Pressure Sensor with USB Interface

FEATURES

SENSOR	INTERFACE
Wide pressure ranges	Direct digital communication via USB port
Gauge or absolute pressure	Single unit powered from computer
Temperature compensated	USB hubs available for networking
High resolution	Upto 127 units on one network
Low hysteresis	No special software required
Long term stability	No separate converters needed
10 to 1 Turndown by on screen scaling	Real time display of pressure values

SENSOR DESCRIPTION :- The FM65 Pressure Transmitters have a high purity alumina ceramic Pressure Element This material possesses superb chemical and abrasion resistance making it suitable for virtually any pressure medium. The diaphragm of the sensing element has a four arm active strain gauge bridge fused onto its inner face this ensures long term stability and repeatability, coupled with the balanced bridge network this provides excellent linear and thermal characteristics. In process temperature compensation simplifies construction and enhances thermal performance

APPLICATION :- Media compatible with 316 S.S. & Alumina Ceramic Pressure port 6mm dia. Pipe connection ¼ in BSPT male

SPECIFICATION - SENSOR	VALUE	UNITS
PRESSURE RANGE	from 0 to 2 up to 0 to 400	Bar (gauge or absolute)
LINEARITY	+/- 0.1	% of span BFSL
REPEATABILITY	+/- 0.01	% of span BFSL
HYSTERESIS	+/- 0.015	% of span BFSL
ZERO BALANCE	+/- 0.1	mV/volt @ 25 deg. C
FULL SCALE OUTPUT	Typically 2 to 6	mV/volt dependant on range
COMPENSATED TEMPERATURE RANGE	0 to 70	Deg C
OPERATING TEMPERATURE RANGE	- 40 to 125	Deg C
THERMAL HYSTERESIS	+/- 0.1	% of span
LONG TERM STABILITY (offset & span)	+/- 0.3	% of span
PROOF PRESSURE	2 x Rating	
BURST PRESSURE	4 x Rating	
SPECIFICATION - INTERFACE		
RESOLUTION	10 bit	
OPERATING TEMPERATURE	- 40 to 85	Deg. C
CURRENT	20	mA (max)

Pressure Ranges :- **2 5 10 20 50 100 200 & 400 Bar Gauge or Absolute**

Units can be supplied calibrated to intermediate full scale values on request

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