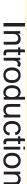
## Monad Electronics

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# Proud Winner of National Award for year 2009-2010 in R&D

products, Testing equipments, sensors and related indicating and controlling devices and allied been involved in the business of Exporting, designing & manufacturing, Electronics Industrial Monad Electronics is An ISO 9001:2000 certified company, which has over the last 13 years

and related components, service providing in installation & commissioning We are also interested in taking - up the project development, recommending and mfg. sensing We are specialized in providing consultancy for itemized engineering Test ring and Projects.

government institutes. substitute high end equipment development and supplying to leading industries and Belgium, Turkey, Australia, UAE and African countries. We have good track record of import We are in this field from last 13 years and also Exporting our products to USA, Germany,



strain gauge technology and manufactured in mass production Monad melt pressure transducers and transmitters (MN-P5) are developed from

from stainless steel material (standard version). The MN-P5 are constructed with a full bridge strain gauge circuit and 100% made

thermal isolation to sensors electronic circuitry, which enable MN-P5 suitable for melt pressure and melt temperature measurements coating for all the MN-P5 models. Both the rigid stem and flexible extension provide In addition, the pressure diaphragm features a surface treatment with special alloy

signal for calibration without need of external calibration pressure. short-circuit, a shunt resistor will be connected which provides MN-P5 with a 80% FSO bridge excitation voltage), or amplified signals (such as 0~10 Vdc or 4~20 mA). By The output of MN-P5 is either strain gauge signal (for instance, 2.0 mV/V multiplied by



#### Features:

- \* Flexible extension providing further thermal isolation to electronics
- \* Amplified out put signal available in 4~20 mA or 0~5, 0~10 Vdc
- \* Wide measuring range of 0/10 bar to 0/2000 bar
- \* Availability for zero and span adjustment
- \* 100% stainless steel construction with special alloy coating on pressure diaphragm \* Internal shunt calibration signal of 80%FS



#### Specifications:

Measuring range	Bar	0/10, 0/20, 0/35, 0/50, 0/70, 0/100, 0/200, 0/350, 0/500, 0/700, 0/1000, 0/1400, 0/2000
Overload pressure	% FS	150 (2100 Bar max.)
Signal output at FS	mv/v	2.0
Amplified output signal		0~5 vdc, 0~10 vdc, 4~20 ma
Supply voltage		10 (8~12 acceptable) for non amplified models of 2.0 mv/v strain gauge output
	amplified	24 (12~36 acceptable) for amplified output signal
Combined error	% FSO	0.3, 0.5 (standard), 1.0
Zero adjustment	% FSO	± 10
Span adjustment	% FSO	+6
Repeatability	% FSO	± 0.2
Output resistance	В	350 ± 10%
Insulation resistance	MΩ	≥ 1000 @ 100 vdc
Max. Temp. @ wetted parts	റ്	400
Temperature coefficient of zero	% FSO/10°C 0.5	0.5
Temperature coefficient of span	% FSO/10°C 0.5	0.5
Compensated temp. Range	റ്	0-80
Process connection		external thread1/2"-20 UNF-2a (standard), m14x1.5, m18x1.5
Electrical connection	connector	connector 6-pin (standard) male tighten connector, 8-pin male screw in connector
Long term stability	%FSO/year < 0.15	< 0.15



Max. Mounting torque

N.m.

40



