

Pyromation Temperature Transmitters

- Wide Operating Temperature Range
- Factory or Field Configurable
- Sensor Break & Short Circuit Detection
- T/C Head Mounting (441 & 442)
Industrial or Explosion Proof Housing (642)
- FM & CSA Approved Intrinsically Safe & Non-Incendive



SPECIFICATIONS

Input:	T/C J,K,T,E,R,S,B,N,L,U,C,D RTD Pt or Ni, 100/500/1000, 2/3/4-wire DC -10 to 100mV Resistance 400Ω, 2000Ω
Accuracy:	0.2°C (Pt100), 1°C (K T/C)
Output:	2-wire, 4-20mA or 20-4mA
Maximum Load:	(Vsupply - 8V)/25ma
Power Supply:	8-30V DC (40V max on 642 models)
Operating Temperature:	-40 to 85°C, condensing allowable
Dimensions (441, 442):	1.73" dia x 0.9" (44x23mm)
Galvanic Isolation:	3.75kV AC

ORDERING INFORMATION

PM/441	Temperature Head Transmitter
PM/442	Temperature Head Transmitter with HART® protocol
PM/642A	Programmable HART® Transmitter
PM/642AT	Programmable HART® Transmitter with digital display
PM/642C	Programmable HART® Transmitter, explosion proof housing

For factory configuration, specify input type & range (°C or °F); for field configuration, order communication cable & software

NLS Series 8000 Signal Conditioners

- Input, Output, Isolation, Power Supply and Special Functions Combined in One Low Cost Modular Unit
- Field-Settable Range, Span and Configuration
- Fuse Protected Linear Power
- UL Recognized
- High Impact, Flame Retardant Polycarbonate Case

The Series 8000 signal conditioners are designed with a modular architecture to allow full input, output, and special function selectability and interchangeability. They can also be used as isolators, signal amplifiers, and transmitters.


8000-1-1


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