Model RM570
Pressure Transmitter



MODEL RM570 PRESSURE TRANSMITTER

4-20 MA, 0-100 BAR THRU 0-350 BAR

RM 570 transmitters provide a rugged, sealed solution for the harsh industrial environments found in Rolling Mills and the metals industry.

PERFORMANCE

Full Scale Pressure Range (FSPR)	0-100 Bar (0-1450 psi) 0-150 Bar (0-2175 psi) 0-250 Bar (0-3625 psi) 0-350 Bar (0-5076 psi)
Static Error Band	≤±0.25% FSO typical (Includes BFSL, Hysteresis and Repeatability by RSS)
Full Scale Output (FSO)	4-20 mA (16 mA FSO)
Zero and Span Balance	±1% FSO
Response Time	<2 mSec to reach 90% FSO
Temperature Effect on Zero	≤±1% FSO per 100°F (55.5°C)
Temperature Effect on Span	≤±1% FSO per 100°F (55.5°C)
Compensated Temperature	70°F to 170°F (21°C to 76°C)
Operating Temperature	-40°F to 185°F (-40°C to 85°C)
Storage Temperature Limit	-65°F to 185°F (-53°C to 85°C)

ELECTRICAL

Supply Voltage	12 to 30 Vdc
Power Supply Regulation Effect	≤±0.02% FSO per Volt
Output Signal	4 - 20 mA
Bridge Impedance	5000 Ohms nominal
Circuit Protection	Varistor protected across the input leads for surges above 40 V and currents to 250 Amps peak with a pulse width of 8x20 µSecs. Reverse polarity protected.
Insulation Resistance	>200 MegOhms to case ground
Electrical Connection - BH (Standard)	6-pin hermetic, bayonet-style, 303 SST weld mount connector
Pin Outs (standard)	Consult engineering for alternative configurations
Pin A	+Power/Signal
Pin B	No Connection
Pin C	-Power/Signal
Pin D	No Connection
Pin E	No Connection
Pin F	No Connection
ZU (optional)	Direct Coupled Cable - Custom wiring per your application

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199 Fire Tower Drive, Tonawanda, New York 14150 USA USA Phone: 716.629.3800 Toll Free: 800.688.0030 Fax: 716.693.9162 Email: solutions@viatran.com

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- Many Options available
- All Stainless Steel construction
- High Overpressure Applications
- IP-68 Rated



All welded construction and stainless steel surfaces makes the RM570 ideal for harsh environments. Viatran's rugged pressure transmitters are designed to withstand heat, vibration, pressure spikes and EMI/RFI caused by the the surrounding equipment.

All Viatran Rolling Mill units are built and configured to order with a choice of four pressure ranges,ensuring you have the best solution for your application.

MECHANICAL

Pressure Connections	G 1/2A BSP(M) with Bleed Port* G 1/2A BSP(M) without Bleed Port G 1/4B BSP(M) without Bleed Port
Proof Pressure	Up to 4 times FSPR (1378 Bar* (20,000 psi),whichever is less)
Burst Pressure	≥ 6 to 10 times FSPR dependent on sensor, consult engineering for details
Mounting	Supported by process piping or optional mounting bracket

MATERIALS OF CONSTRUCTION

Enclosure	15-5 PH and 316 stainless steel
Wetted Parts	15-5 PH stainless steel
Shock Limitation	100 G's
Weight	17 oz. (0.482 kilograms) typical
Identification	Laser etched onto body
Enclosure	Classification IP68

OPTIONS

B ( )	Alternate Electrical Connections**
DF	Bleed port (10K PSI and below)
EA	Special calibration run
NH	Customer specified identification
NJ	CE Marking
Y ( )	Alternate pressure ports
ZU	Direct Coupled Cable**
Note:	Application of some available options may affect standard performance. Consult your Viatran Representative for details. * For safety purposes, Viatran will only proof pressure in production to 700 Bar (10.000 psi) for units with Bleed Ports. ** Custom wiring / pin outs avilable for your application.

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Model 570 EMC Declaration of Conformity

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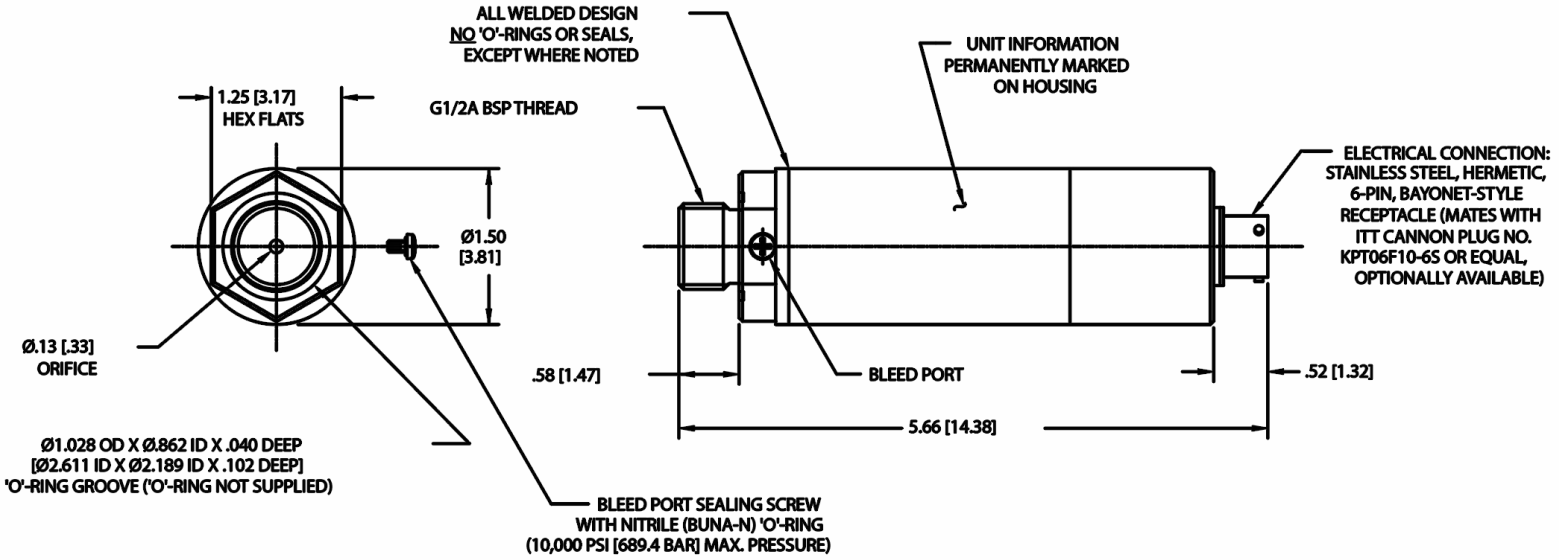
NOTE:

1. ALL DIMENSIONS ARE NOMINAL, IN INCHES [cm] AND FOR REFERENCE PURPOSES ONLY



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