

Viatran's Models 548, 748 and 848 are rugged pressure transmitters designed for the industrial process environment. With ranges down to 20" WC, the "x48" Series provides accurate, cost-effective, and reliable transmitters for harsh process applications.

#### FEATURES

- All welded construction
- 316L SS wetted parts
- Ranges down to 20" WC full scale
- High accuracy

### TYPICAL APPLICATIONS

- Fuel tank level
- Chemical tank level
- Gas compressors
- Chemical processing

Approval Options Available. Contact Viatran for details.

# DURABLE. DEPENDABLE. ACCURATE.

## FOR CORROSIVE ENVIRONMENTS

The "X48" Series features all welded stainless steel construction with 316L stainless steel wetted parts. Combined accuracy is 0.25% or better with an optional improved accuracy of better than 0.1%. Standard ranges are from 3 PSI to 5,000 PSI with outputs of mV/V, 4-20 mA and 0-5 VDC. Also available is an optional zero and span adjustment.

## A FULL LINE OF APPROVALS

The "X48" Series has the approvals necessary for use in hazardous areas. Viatran offers a variety of standard options and our ability to modify our products provides flexibility to meet

your specific application needs.
Options include alternate pressure
ports, electrical connectors and
various electrical outputs.

### VIATRAN'S FULL LINE

To compliment this series is a full line of pressure measurement products for the process control industry. Our Model 570 and 571 provide mid to high ranges up to 100K PSI and the IDP10 can measure differential pressures as low as 0.5" WC full scale.

## YOUR SOLUTION

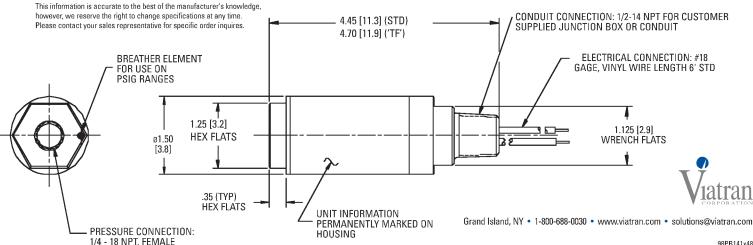
We have the solution to your pressure or level measurement application.



For product availability, or to order please call 1-800-688-0030, ext 506.

## **SPECIFICATIONS**

MECHANICAL PRESSURE CONNECTION PROOF PRESSURE BURST PRESSURE Diameter Weight	0-15 thru 0-500 PSIA, 0-15 PSIV  ≤±0.25% (optional ≤±0.1%) ±0.1% FSO  16 mA 5 VDC mV/V ≤±1% FSO ±0.25% FSO per 6 months ≤1 mSec for 10% to 90% FSO ±1.0% per 100°F ±1.0% per 100°F ±1.0% per 100°F -40°F to +185°F -40°F to +185°F -40°F to +250°F  9.0 to 30 VDC 15 VDC max ±0.0001% FSO per Volt  4 to 20 mA 0 to 5 VDC 3 to 5 PSI: 5 mV/V ≥10 PSI: 10 mV/V 12 VDC min with 150 ohm/and 30 VDC max with 1050 ohms 0 utput may be short-circuited indefinitely. I polarity may be reversed. Over-voltage prof to 1000 volts. < 1 mSec duration. 1/2" NPT (M), 18 AWG wire  548 Red +Power/Signal +Power +F Black -Power/Signal +Signal +S Green Case Ground Case Ground -P White NA -Power/Signal +S Brown NA NA Ca 1/4"-18 NPT female 3 times rated range or 10K PSI whichever is 5 times rated range or 10K PSI whichever is	CSA  CE  CE  Input tected DF	D, Class II/III, Div. 1, Groups E, F, G, T5 at Ta=88°C NEMA 4X, Hazardous Locations Intrinsic Safety: (model dependent) Class I, II, III, Div 1, Groups A thru G, AEx ia IIC T4 NEMA/Type 4X Hazardous Locations Nonincendive: (model dependent) Class I, Div 2, Groups A-D, Class II, Groups F, G, Class III and Class I, Zone 2, Group IIC, T4 Type 4X Hazardous Locations Division 2: (model dependent) Class I, Div 2, Groups A-D, Class II, Groups F, G, Class III T4 Type 4x Hazardous Locations.  Intrinsic Safety: (model dependent) Class I,II, III, Div. 1, Groups A-G, Ex ia IIC T4 ) Type 4X Hazardous Locations.  Intrinsic Safety: (model dependent) ©II 1 G EEx ia IIC, (-20°C T4, Ta ≤ 80°C) Flameproof: ©II 2 G EEx d IIC, T5 (-20°C ≤ Ta ≤ 80°C) Type N: (model dependent) ©II 3 G EEx nL IIC T4 (-20°C ≤ Ta ≤ 80°C) EMC Directive 89/336/EEC and Low Voltage Directive 72/23/EEC EN 61010-1 (1993)/ Safety Requirements EN 61326-(2001) - EMC Requirements PED Directive 97/23/EC  Descriptions Alternate Pressure Ports Performance Options Bleed Port Special Range Improved Accuracy ≤0.1% FS0 Modified output (0 to 10 VDC, 748 only) Cleaning for Oxygen Service Modified output (0 to 4.5 VDC, 748 only) Special Calibration Run ATEX Flameproof label Customer specified identification CE design and label (consult factory) ATEX Intrinsic Safety label (consult factory) FM Explosion Proof label FM Nonincendive label (consult factory) FM Explosion Proof label FM Nonincendive label (consult factory) FM Explosion Proof label FM Nonincendive label (consult factory) FM Explosion Proof label FM Nonincendive label (consult factory) FM Explosion Proof label FM Nonincendive label (consult factory)
Weight	. 10 oz.  . 304 and 316 stainless steel . 316 stainless steel . 316 stainless steel May be supported by pressure connection	PWTFTJTKTKTKTKTKTOTE: FOR UNITS EQUIPPEC GIVEN TO ENSURE THAT THE CONTAMINATION IS MINIMIZED.	1/8 DIN digital indicator (consult factory)
Thirtie		ACCESSORIES	Mounting Bracket Conduit Connection Box Loop Powered Digital Indicator Protective Cover



98PB141x48