

# COMPLETE PRESSURE *and* LEVEL MEASUREMENT



The logo for Viatran, featuring a stylized 'V' with a blue circle above it containing a white diagonal line, followed by the word 'Viatran' in a serif font.

# Challenge our Engineering, Manufacturing and Sales Team with your pressure or level application.

For over 50 years Viatran has been solving pressure and level measurement problems in the some of the toughest application environments - highly corrosive media, damaging cyclic pressures, severe shock and vibration. Our transducers and transmitters are an integral part of the industrial world, providing superior performance and dependable pressure data. Choosing the right product for each application is critical.

We have designed pressure sensors for thousands of industrial and process applications. All are available with special pressure fittings, various electrical terminations and corrosion resistant alloys. Our sensors are renown for their rugged, hermetic, all stainless design featuring a complete array of industry approvals and quality certifications.

To insure the highest performing solution, we feature bonded foil strain gage, silicon piezoresistive, ceramic and variable capacitance sensing technologies to best suit each application. Pressure ranges from draft range to 100,000 PSI, with millivolt, voltage, analog and digital outputs address every customer's instrument requirements.

We demonstrate the unique ability to modify a transmitter at a standard cost to meet the customer's special needs. Sensor sizing, electrical and process connections, media compatibility, accuracy and temperature performance is often tailored to each customer and has truly established our company as a "Measurement Solutions Leader" in many markets: Test, Fluid Power, Process, Medical, Sanitary, and Oil & Gas.

We can solve it!



## APPLICATIONS

Acidizing  
Altitude Chambers  
Ammunition Tests  
Automotive Paint Booths  
Bio Pharmaceuticals  
Ballast Systems  
Ballast Tanks  
Boring Machines  
Boiler Control  
Burst Tests  
Bottling Machines  
Brake Line Test  
Catalytic Converters  
Cooling Towers  
Compressor Surge  
Coiled Tubing  
Die Cast Machines  
Conveyor Systems  
Compactors/Boilers  
Dough Separation  
Dairy Bubblers  
Environmental Chambers  
Emission Sampling  
Exhaust Systems  
Filter Tests  
Extrusion  
Foundries  
Flight Simulators













Furnace Control  
Fuel Test  
Groundwater Monitoring  
Gas Wells  
HVAC Systems  
Heat Exchangers  
Heating/Air Conditioning  
Leak Test  
HTST Balance Tanks  
Irrigation Systems  
Methane Extraction  
Hydraulic Cylinders  
Lake Levels  
Milk Processing  
Injection Molding  
Lift Stations  
Pump Control  
Meter Calibration  
Locomotive Boilers  
Purified Water  
Missile Systems  
Meat Processing  
Reservoir Level  
Nitrogen Blankets  
Metrology  
Semiconductor Polishing  
Paper Winding  
Mine Roof Hydraulics

Stamping Presses  
Power Generation  
Mobile Hydraulics  
Steering Systems  
Rig Safety  
MWD  
Sterilizers  
Rocket Turbines  
Pipe Lines  
Tablet Presses  
Sewage Systems  
Polymer Reactors  
Textile Mills  
Silo Level  
Recycling Equipment  
Truck Assembly  
Space Probes  
Refrigeration Systems  
Valve Control  
Steel Rolling Mills  
Reverse Osmosis  
Water Filtration Systems  
Subsea  
Transmission Test  
Well Cementing  
Tire Testing  
Wind Tunnels  
Wet Wells







 <p><b>LEGACY</b> Product Available from <b>Dynisco</b></p>	 <p><b>LEGACY</b> Product Available from <b>Dynisco</b></p>	 <p><b>LEGACY</b> Product Available from <b>Dynisco</b></p>	 <p><b>LEGACY</b> Product Available from <b>Dynisco</b></p>	 <p>243   343</p>	 <p><b>LEGACY</b> Product Available from <b>Dynisco</b></p>	 <p>245   345</p>
						
<p>Chemical processing Oil and gas Polymer plants Hazardous locations</p>	<p>Chemical processing Oil and gas Polymer plants Hazardous locations</p>	<p>Slurries Chemical processing Pulp and paper Polymer plants</p>	<p>General purpose Test stands Dynos High volume usage</p>	<p>General industrial Hydraulics Pneumatics Compressors Off-road vehicle Water treatment</p>	<p>Hostile environments Test stands Dynos Control systems Die casting</p>	<p>Test stands Metrology Laboratory/Research Automotive test systems Semiconductors Caliper testing Dynos</p>
<p>HART features: - 10:1 rangeability - remote config. - multi-drop network NAMUR Output sent directly to DCS or PLC Improved frequency response</p>	<p>Foundation FieldBus Easy hand-held configuration Output sent directly to DCS or PLC Improved frequency response</p>	<p>Flush diaphragm Zero volume pressure port Easy set-up Internal calibration shunt</p>	<p>CANopen available Easy set-up via directional BUS communications SST construction Flush sensor model High accuracy</p>	<p>Low cost Small size Environmentally sealed High cycle life (1,000,000 cycles) Shock resistant Stainless steel construction</p>	<p>Stainless steel construction Spike resistant High accuracy High cycle life Precise pressure measurement DeviceNET available All pressure ranges</p>	<p>≤ ± 0.05% linearity (available) Digitally compensated Small size Fast response RFI/EMI protected External adjustments Stainless steel construction Multiple connector, port, perf. options</p>
<p>0-5 thru 0-72,500 psis/g/a</p>	<p>0-5 thru 0-72,500 psis/g/a</p>	<p>0-15 thru 0-10,000 psig</p>	<p>0-300 thru 0-15,000 psig</p>	<p>0-100 thru 0-15,000 psig</p>	<p>0-15 thru 0-10,000 psig</p>	<p>0-2 thru 0-100,000 psig/a 0-15 psiv</p>
<p>0-0.35 thru 0-5000 barg/s/a</p>	<p>0-0.35 thru 0-5000 barg/s/a</p>	<p>0-1 thru 0-700 barg</p>	<p>0-20 thru 0-1,000 barg</p>	<p>0-7 thru 0-1,400 barg</p>	<p>0-1 thru 0-700 barg</p>	<p>0-0.14 thru 0-7,000 barg/s/a 0-1 barv</p>
<p>4-20 mA HART Digital signal</p>	<p>FOUNDATION FieldBus H1</p>	<p>3 mV/V</p>	<p>3 mV/V 0-5 (1-6) Vdc 0-10 (1-11) Vdc 4-20 mA CANopen</p>	<p>0-5 (0-10) Vdc 4-20 mA</p>	<p>3 mV/V 0-5 (1-6) Vdc 0-10 (1-11) Vdc 4-20 mA DeviceNet</p>	<p>0-5 (0-10) Vdc 4-20 mA</p>
<p>16-30 Vdc</p>	<p>9-24 Vdc</p>	<p>10 Vdc</p>	<p>10 Vdc 10-32 Vdc 15-32 Vdc 10-36 Vdc 18-32 Vdc</p>	<p>10-30 Vdc</p>	<p>10 Vdc 10-36 Vdc 14-36 Vdc 12-36 Vdc 11-25 Vdc</p>	<p>9-30 (13-30) Vdc 9-30 Vdc</p>
<p>2281: ≤ ± 0.25% 2280: ≤ ± 0.5%</p>	<p>2281: ≤ ± 0.25% 2280: ≤ ± 0.5%</p>	<p>≤ ± 0.5%</p>	<p>≤ ± 0.25%</p>	<p>≤ ± 0.65%</p>	<p>≤ ± 0.25%</p>	<p>≤ ± 0.05% (≤ 5Kpsi) ≤ ± 0.15% (&gt; 5Kpsi)</p>
<p>Application specific</p>	<p>Application specific</p>	<p>3/4" -16 UNF-3A</p>	<p>Int. ISO 2281/1-G1/4 Ext. DIN 3852-AG1/4A Flush M18x1.5</p>	<p>1/4" NPT Female</p>	<p>1/4" NPT Male</p>	<p>1/4" NPT Female</p>
<p>15-5 PH SS 17-4 PH SS</p>	<p>15-5 PH SS 17-4 PH SS</p>	<p>17-4 PH SS</p>	<p>15-5 PH SS</p>	<p>15-5 PH SS</p>	<p>15-5 PH SS</p>	<p>316L SST ≤ 5K psi 15-5 ≥ 5K-15K psi PH 13-8 Mo SS ≥ 20K psi</p>
<p>24 oz (680 g)</p>	<p>24 oz (680 g)</p>	<p>5 oz (142 g)</p>	<p>5 oz (142 g)</p>	<p>10 oz (284 g)</p>	<p>8 oz (227 g)</p>	<p>15 oz (425 g)</p>

Challenge Our Engineering, Manufacturing and Sales Team



**Viatran**  
3829 Forest Parkway Ste 500  
Wheatfield, NY 14120  
USA

Phone +1 716 629 3800  
Fax +1 716 693 9162  
Email [solutions@viatran.com](mailto:solutions@viatran.com)  
[www.viatran.com](http://www.viatran.com)

  
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