**DYNISCO MODEL 1192**  
*Smart Pressure Transmitter for Thread Mounting*

**Description**  
Dynisco’s IPX II Series 1192 is a high performance, microprocessor based transmitter with ambient and sensor temperature compensation, featuring a thin film sensor and proprietary fabrication techniques. The Model 1192 provides the highest accuracy pressure measurement available in a 1/2 - 20 UNF mounting. Ranging and setup of the transmitter may be accomplished with a dual LCD display, the Windows™ based Smartlink software or by using a HART® communicator.

**Features**
- Accuracy of ±0.15% of range compensated for temperature (range specific)
- Temperature compensation
- 4 to 20 mA, 2 - wire output
- 6:1 span turn - down capability
- Split design
- Optional second 4 to 20 mA signal for temperature
- Optional programmable LCD display
- HART digital communication
- FM approved models
- Intrinsically safe models

**Benefits**
- Improves process optimization and removes temperature effects
- Improves accuracy
- Process industry standard
- Allows use in multiple ranges
- Easy to install
- Output temperature signal to display system
- At line readout of pressure or temperature
- Process industry standard
- Approved for operation in hazardous areas
- Approved for EEx ia IIC

**Specifications**

**Performance Characteristics**

Ranges:
- psi: 0 - 1,500, 0 - 3,000, 0 - 5,000, 0 - 7,500, 0 - 10,000
- bar: 0 - 100, 0 - 200, 0 - 350, 0 - 500, 0 - 680

Accuracy 0 to 3000 psi and above:
- ±0.15% of full scale range: Within 20% to 100% of range and within process temperatures of 77°F to 575°F (25°C to 300°C) (+0.25% for 1500 psi range)
- ±0.25% of full scale range: Within 0% to 20% of range and within process temperatures of 77°F to 575°F (25°C to 300°C) (+0.50% for 1500 psi range)

Hastelloy:
- ±0.30% of full scale range: Within 20% to 100% of range and within process temperatures of 77°F to 575°F (25°C to 300°C) (+0.25% for 1500 psi range)
- ±0.50% of full scale range: Within 0% to 20% of range and within process temperatures of 77°F to 575°F (25°C to 300°C) (+1.00% for 1500 psi range)

**Temperature Characteristics**

Operating temperature ranges (compensated):
- Process: 77°F to 575°F (25°C to 300°C) optional to 660°F (350°C)
- Electronics: 77°F to 176°F (25°C to 80°C)

**Electrical Characteristics**

Output:
- 2 - wire, 4 to 20 mA, Hart digital communication superimposed on the 4 to 20 mA signal is available for remote configurations.
- Damping: 0 to 32 second time constant, adjustable through HART communicator or SmartLink Software.
- Power supply: 12 to 42 Vdc for non intrinsically safe; 12 to 30 Vdc for intrinsically safe.

**LCD Display**

Allows transducer to be configured and ranged at line before or after installation. Displays process pressure, 0 - 100% bar graph and temperature (optional).

**Approvals**

CE approved
- FM approved, Explosion - Proof, Class I, Division I, Groups B, C and D, Class II/III, Division 2, Groups E, F and G (optional),
- SIRA approved, Intrinsically Safe, EEx ia IIC (optional)

**Temperature effects:**
- Electronics: ±0.15% span/99°F (+0.15% span/55°C)

**Electronics housing:** IP66, NEMA 4x

**Load limitation:** Maximum loop resistance is determined by the voltage of the external power supply. Digital communication requires a minimum loop resistance of 250 Ohms. (See below)

!(Shown for standard unit without LCD display)
DYNISCO MODEL 1192
Smart Pressure Transmitter for Thread Mounting

Ordering Guide

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<th>Diaphragm Material</th>
<th>Pressure Range</th>
<th>Standard Snout Lengths</th>
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<tr>
<td>N1192: No Approvals</td>
<td>(Blank) 15-5 PH SST with</td>
<td>1.5M 0 - 1,500 1CB 0 - 100</td>
<td>6 6” (152)</td>
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<td>S1192: Intrinsically Safe</td>
<td>with</td>
<td>3M 0 - 3,000 2CB 0 - 200</td>
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<tr>
<td>EE x ia IIC</td>
<td>Dymax® coated</td>
<td>5M 0 - 5,000 3.5CB 0 - 350</td>
<td>12 12” (305)</td>
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<tr>
<td>E1192: Explosion-Proof</td>
<td>diaphragm</td>
<td>7.5M 0 - 7,500 5CB 0 - 500</td>
<td>15 15” (381)</td>
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<tr>
<td>Class 1, Division 1,</td>
<td>H Hastelloy</td>
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<tr>
<td>Groups B, C and D</td>
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<tr>
<td>Class II/III, Division 2,</td>
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<tr>
<td>Groups E, F and G</td>
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<tr>
<th>Standard Stem (Capillary) Lengths</th>
<th>Temperature Output</th>
<th>LCD Display</th>
<th>Communication Protocol</th>
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<tr>
<td>Code</td>
<td>Length</td>
<td>Code</td>
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<td>0” (0)</td>
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<td>No second 4-20mA output</td>
<td>(Blank)</td>
<td>No display</td>
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<td>18</td>
<td>18” (457)</td>
<td>D2</td>
<td>Programmable pressure and temperature display</td>
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<tr>
<td>30</td>
<td>30” (762)</td>
<td>T</td>
<td>Second 4-20mA output</td>
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</tbody>
</table>

For non-standard lengths please consult factory

Note: Max. “snout & capillary” lengths is 36” (914)

All dimensions are in inches (millimeters) unless otherwise specified.

Ordering Example: E1192H - 3M - 6/18 - D2 - H

Notes:
- Please consult factory for alternate full scale settings and non-standard options.
- 10M units are compensated to 7.5M and extrapolated from 7.5M to 10M.
- Mounting bracket P/N 190750 is recommended.