**Electrical Characteristics**

- **Configuration:** Four active arm bonded Wheatstone bridge strain gage
- **Excitation:** 10 Vdc recommended, 12 Vdc maximum
- **Bridge resistance:** Input: 345 Ohms minimum; Output: 350 Ohms ±10%
- **Full scale output:** 3.33 mV/V FSO
- **Internal shunt calibration (R-Cal):** 80% FSO ±0.5%
- **Full scale output:** 3.33 mV/V ±2%
- **Insulation resistance:** 1,000 megohms at 50 Vdc
- **Zero balance:** ±5% FSO

**Temperature Characteristics**

- **Transducer diaphragm:**
  - Maximum diaphragm temperature: 750°F (400°C)
  - Zero shift due to temperature change: ±0.01% full scale/F maximum (±0.02% full scale/°C)

- **Electronics housing:**
  - Maximum temperature: 250°F (121°C)
  - Zero shift due to temperature change: ±0.01% full scale/F maximum (±0.02% full scale/°C)
  - Sensitivity shift due to temperature change: ±0.005% full scale/F maximum (±0.01% full scale/°C)

**Description**

Model DLX422 is ideal for those rugged extrusion applications where an accurate process measurement is essential. Examples include pressure control at the die, adapter, along the barrel or wherever high accuracy melt pressure measurement is required. An eighteen inch flexible stem provides thermal isolation of the electronics housing. Model DLX422 uses a special titanium nitride (TiN) coating on the threads to ensure ease of transducer installation and removal from the process. The inconel diaphragm ensures long life, even in harsh abrasive and corrosive processing environments.

**Specifications**

**Features**
- Accuracy of better than ±0.25%
- Titanium nitride thread coating
- Inconel diaphragm
- 3.33 mV/V FSO
- Excellent thermal stability and repeatability
- Ranges from 0 - 500 psi to 0 - 30,000 psi
- Internal 80% shunt calibration
- One free calibration certificate
- Three year warranty

**Benefits**
- Highly accurate measurement
- Excellent anti-galling/wear resistance
- For extra abrasion/corrosion resistance
- Standard low level output
- Ideal for high temperature processes
- Complete offering of pressure ranges
- For easy set-up
- Free transducer calibration
- Extended product warranty

**Performance Characteristics**

- **Ranges (psi):**
  - 0 - 500, 0 - 750, 0 - 1,000, 0 - 1,500, 0 - 3,000, 0 - 5,000, 0 - 7,500, 0 - 10,000, 0 - 15,000, 0 - 20,000, 0 - 30,000
- **Accuracy:** ±0.25% FSO; (±0.5% FSO for 500, 750, 1,000 psi ranges)
- **Repeatability:** ±0.1% FSO; (±0.2% FSO for 500, 750, 1,000 psi ranges)
- **Mounting torque:** 100 to 200 inch-lbs.; 500 inch-lbs. maximum
- **Maximum pressure:** 2 x full range or 35,000 psi (whichever is less)
- **Material in contact with pressure media:** Inconel 718
- **Weight:** 1.5 lbs.

**Material in contact with pressure media:**

- Inconel 718
- 3.33 mV/V FSO
- Excellent thermal stability and repeatability
- Ideal for high temperature processes
- Complete offering of pressure ranges
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**Performance Characteristics**

- **Ranges (psi):**
  - 0 - 500, 0 - 750, 0 - 1,000, 0 - 1,500, 0 - 3,000, 0 - 5,000, 0 - 7,500, 0 - 10,000, 0 - 15,000, 0 - 20,000, 0 - 30,000
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- **Weight:** 1.5 lbs.
DYNISCO MODEL DLX422

Premier Series, High Accuracy, Flexible Stem Melt Pressure Transducer

Ordering Guide

<table>
<thead>
<tr>
<th>Model</th>
<th>Pressure Range (psi)</th>
<th>Rigid Stem</th>
<th>Flexible Stem</th>
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<td>Code</td>
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<td>30M</td>
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</table>

Ordering Example: DLX422 - 5M - 6/18

- Mating connector P/N710700 or 8 - pin cable assembly sold separately.
- Transducer Options: Call for complete information on stem lengths, electrical connectors and fill media.

Delivery

Express delivery. Call for delivery information on other configurations.