



MELT TRANSDUCERS FOR ABRASIVE, NON-ABRASIVE, CORROSIVE, AND NON-CORROSIVE MATERIALS

OMEGA is proud to feature stateof-the-art melt pressure transducers for general purpose and precision requirements. We also offer digital indicator/controllers, thermocouples, accessory cables, and connectors for plastic extrusion.

Our transducers have been selected for applications with abrasive, non-abrasive, corrosive, or non-corrosive material. They offer a choice of 1% or 0.5% accuracy, and they feature stainless steel barrels in 3 lengths to meet the space requirements imposed by complex machinery, piping, and insulation.

Models 330, 335, 340, 341, 370, 371. Offered in 88.9, 152.4, and 304.8 mm (3½, 6, and 12") barrel lengths, these transducers feature a 17-4 PH stainless steel diaphragm for melt pressure usage with non-corrosive and non-abrasive materials; ±1% FS non-linearity (models 330, 340, 341) for general purpose applications; ±0.5% FS non-linearity (models 335, 370, 371) for high accuracy; and a -17.7 to 399°C (0 to 750°F) operating range.

Models 350, 351, 380, 381 are offered in 6" and 12" units with Hastelloy C-276 diaphragm for melt pressure usage with corrosive materials such as PTFE, Kynar[®], and fluorocarbon polymers. These transducers also feature $\pm 1\%$ FS non-linearity (models 350, 351) for general purpose applications; $\pm 0.5\%$ FS non-linearity (models 380, 381) for high accuracy; and a -17.7 to 399°C (0 to 750°F) operating range.

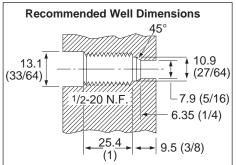
Models 360, 361, 390, 391 are offered in 152.4 and 304.8 mm (6 and 12") units with hard chrome plate diaphragm for melt pressure usage with abrasive materials such as fiberglass, aluminum, and cereal. These transducers also feature $\pm 1\%$ FS non-linearity (models 360, 361) for general purpose applications; $\pm 0.5\%$ FS non-linearity (models 390, 391) for high accuracy; and a -17.7 to 399°C (0 to 750°F) operating range.

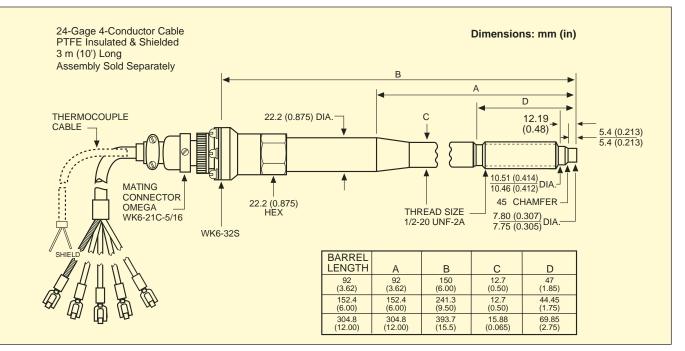
Built-In Thermocouples. Models with OMEGA's

Type J (Iron-Constantan) or K (CHROMEGA®-ALOMEGA®) highaccuracy thermocouples enable simultaneous temperature/pressure measurements up to 399°C (750°F). These transducers are designed for applications in which precision control is critical and where space for only one sensor is available.



Standard Melt

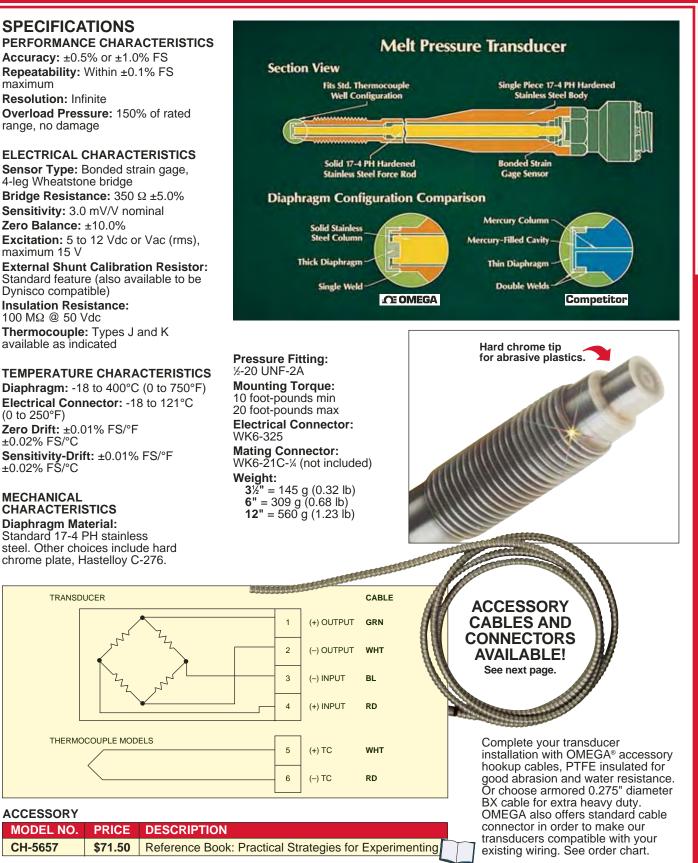




PLASTIC MELT PRESSURE MEASUREMENT

PRESSURE TRANSDUCERS

SPECIAL



MELT PRESSURE TRANSDUCERS, CABLES, AND CONNECTORS

1. Select the barrel length: 88.9, 152.4, or 304.8 mm (3½", 6", or 12"), diaphragm material (stainless steel, Hastelloy, hard

chrome), and accuracy (1%,

0.5%) as shown below.

2. Thermocouple option:

Add "J" (iron-constantan) or "K" (CHROMEGA®-ALOMEGA®) to the transducer model number. Add \$125 to price (see Ordering Examples below).

MOST POPULAR MODELS HIGHLIGHTED!

To Order <i>(Specify Model Number)</i>					
BARREL LENGTH	DIAPHRAGM MATERIAL	ACCURACY FS (NON-LINEARITY BFSL)	MODEL NO.	PRICE	
88.9 mm (3½")	Stainless Steel	1%	PX330-(*)	\$650	
88.9 mm (3½")	Stainless Steel	0.5%	PX335-(*)	750	
152.4 mm (6")	Stainless Steel	1%	PX340-(*)	635	
304.8 mm (12")	Stainless Steel	1%	PX341-(*)	720	
152.4 mm (6")	Hastelloy	1%	PX350-(*)	785	
304.8 mm (12")	Hastelloy	1%	PX351-(*)	870	
152.4 mm (6")	Hard Chrome	1%	PX360-(*)	705	
304.8 mm (12")	Hard Chrome	1%	PX361-(*)	790	
152.4 mm (6")	Stainless Steel	0.5%	PX370-(*)	780	
304.8 mm (12")	Stainless Steel	0.5%	PX371-(*)	845	
152.4 mm (6")	Hard Chrome	0.5%	PX390-(*)	850	
304.8 mm (12")	Hard Chrome	0.5%	PX391-(*)	915	

* Specify range; see item 3 above.

For 5-point NIST calibration, add suffix "-CAL3" to model number and \$150.

Series CX340 Extension Cables

SPECIFICATIONS

Wire: 24-gage shielded Number of Conductors: 4 plus shield Insulation: PTFE

Thermocouple: 24-gage with fiberglass insulation (standard limits of error) Armored: 6.96 mm (0.275") Dia. BX covering

To Order <i>(Specify Model Number)</i>					
MODEL NO.	LENGTH	THERMOCOUPLE	PRICE		
PTFE CABLE-MATING CONNECTOR/SPADE LUGS					
CX340-10	3.05 m (10')	NONE	\$60		
CX340-10J	3.05 m (10')	TYPE J	90		
CX340-10K	3.05 m (10')	TYPE K	90		
ARMORED CABLE-MATING CONNECTOR/SPADE LUGS					
CX340A-10	3.05 m (10')	NONE	\$90		
CX340A-10J	3.05 m (10')	TYPE J	130		
CX340A-10K	3.05 m (10')	TYPE K	130		
WK6-21C-1/4	Mating Connector		45		

3. Add range suffix to transducer model number as follows:

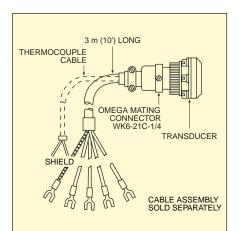
ORDERING SUFFIX
-500GV*
-1000GV*
-1500GV
-3KGV
-5KGV
-10KGV
-15KGV

* Add \$125 to price for these ranges.

4. Ordering Examples:

PX351-10KGV, Hastelloy diaphragm, 12" barrel and 1% accuracy with a range of 0 to 10,000 psi, \$870.

PX351J-10KGV, same as above with optional J thermocouple, \$870 + 125 = **\$995.**





sold separately.

omega.co.uk®

Your One-Stop Source for Process Measurement and Control!

Freephone 0800 488 488 | International +44(0) 161 777 6622 | Fax +44(0) 161 777 6622 | Sales@omega.co.uk

www.omega.co.uk



UNITED STATES www.omega.com 1-800-TC-OMEGA Stamford, CT.

CANADA www.omega.ca Laval(Quebec)

1-800-TC-OMEGA

GERMANY

www.omega.de Deckenpfronn, Germany 0800-8266342 UNITED KINGDOM www.omega.co.uk Manchester, England 0800-488-488 +44-(0)161-777-6611

> FRANCE www.omega.fr 0800-466-342

BENELUX www.omega.nl 0800-099-33-44



More than 100,000 Products Available!

Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples, Thermowells and Head and Well Assemblies, Transmitters, Thermocouple Wire, RTD Probes

Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

Data Acquisition

Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ehernet and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters