



250x Series



250BR0505-1211

SPECIFICATIONS

Maximum Pressure	At 38 °C (100 °F) 400 psi; at 105 °C (221 °F) 325 psi
Wetted Materials	UHMW-PE bearing, polyamide impeller, tungstencarbide shaft, EPDM O-rings
Recommended Flow	0.3 to 15 ft/sec (0.09 to 4.5 m/sec)
Accuracy	±1.0% of rate
Repeatability	±0.7% over recommended design flow range*
Linearity	±0.7% over recommended design flow range*
Rangeability	60:1
Output Frequency	0.8 to 80 Hz

WARRANTY

Limited Warranty	1 year
------------------	--------

* ≥10 upstream and ≥5 downstream straight pipe diameters, uninterrupted flow.

IDEAL FOR PIPE SIZES 1/2" TO 1½" NPT

FEATURES

- PPS electronics housing...highly durable
- Six-bladed impeller design with a proprietary, non-magnetic sensing mechanism...high accuracy and repeatability
- Forward-swept impeller is less prone to fouling by water-borne debris...reliable performance with minimal downtime
- Operation and repeatability even at low flow rates
- Signal can travel up to 2000 ft (609 m) between the sensor and the display unit without the need for amplification
- Supplied with 20 ft (6 m) of 2-conductor AWG 20 UL type PTLC cable (105 °C rated)
- Sensors of similar type are interchangeable...no need for recalibration after servicing or replacement...quick install and fast maintenance

DESCRIPTION

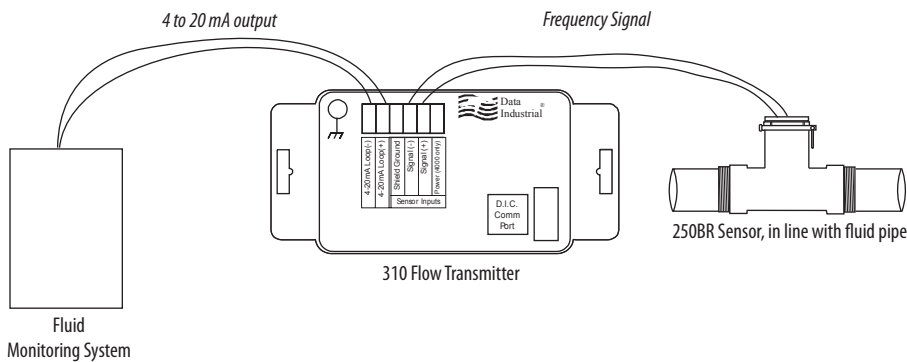
Metal tee-style liquid flow sensor with cast brass housing fits 1/2" to 1½" NPT. These sensors are accurate, even at low flow rates. Use in conjunction with a flow monitor or transmitter for a complete flow monitoring system.

APPLICATIONS

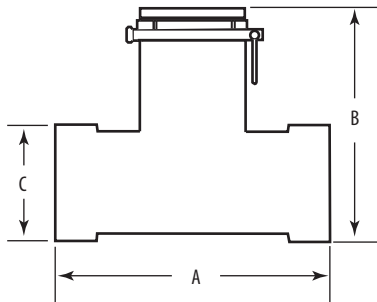
- Measuring liquid flow rates



APPLICATION DIAGRAM



DIMENSIONAL DRAWING



Model	A	B	C
U001-0008	4.0" (102 mm)	4.7" (120 mm)	1.7" (44 mm)
U001-0009	4.0" (102 mm)	4.7" (120 mm)	1.7" (44 mm)
U001-0010	5.5" (140 mm)	4.8" (121 mm)	2.2" (56 mm)
U001-0011	6.1" (155 mm)	5.0" (127 mm)	2.4" (61 mm)
U001-0012	6.5" (165 mm)	5.2" (132 mm)	2.7" (69 mm)

ORDERING INFORMATION

MODEL	MANUF. PART #	DESCRIPTION
U001-0008	250BR0505-1211	Flow, Sensor, 1/2" Cast Brass Tee
U001-0009	250BR0705-1211	Flow, Sensor, 3/4" Cast Brass Tee
U001-0010	250BR1005-1211	Flow, Sensor, 1" Cast Brass Tee
U001-0011	250BR1205-1211	Flow, Sensor, 1-1/4" Cast Brass Tee
U001-0012	250BR1505-1211	Flow, Sensor, 1-1/2" Cast Brass Tee