

DESCRIPTION

The Flo-tech Model F5162 pickup is designed for use with Flo-tech turbine flow meters to sense movement of the rotor blade within the flow meter body.

The pickup has a two-pin MS connection. The contents of the pickup are sealed in a rugged stainless steel housing.

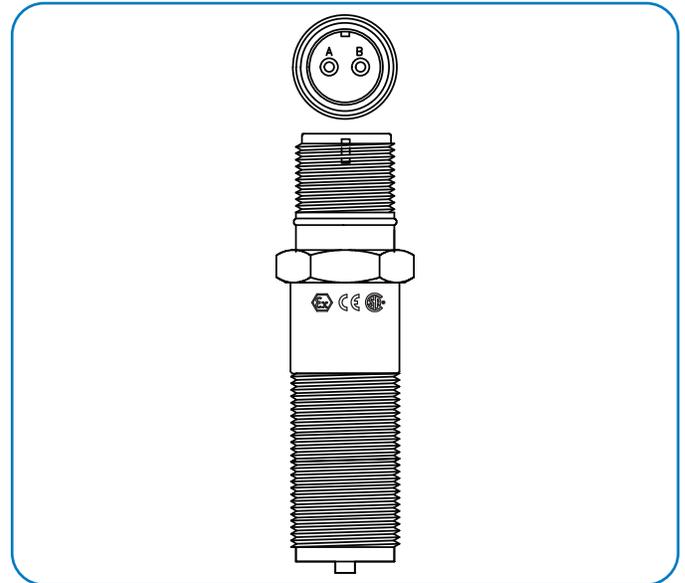
OPERATION

The pickup gathers raw flow data from the meter and transfers that data to the coupled reading element/flow monitor. A magnet is sealed within the stainless steel housing and is threaded into the body of a turbine meter. The pickup is precisely positioned to be directly above the turbine flow meter rotor assembly. As a fluid passes through the meter, the velocity of the fluid provides rotational energy on the rotor assembly, located inside the body of the flow meter. The rotor blades, passing through the pickup's magnetic field, generate pulses proportional to the flow rate. Each pulse is transmitted through the pickup to the meter electronics, where flow is interpreted and calculated to provide a volumetric flow rate.

APPLICATIONS

When paired with a Flo-tech turbine flow meter, the Model F5162 pickup is ideal for hydraulic applications in the following industries:

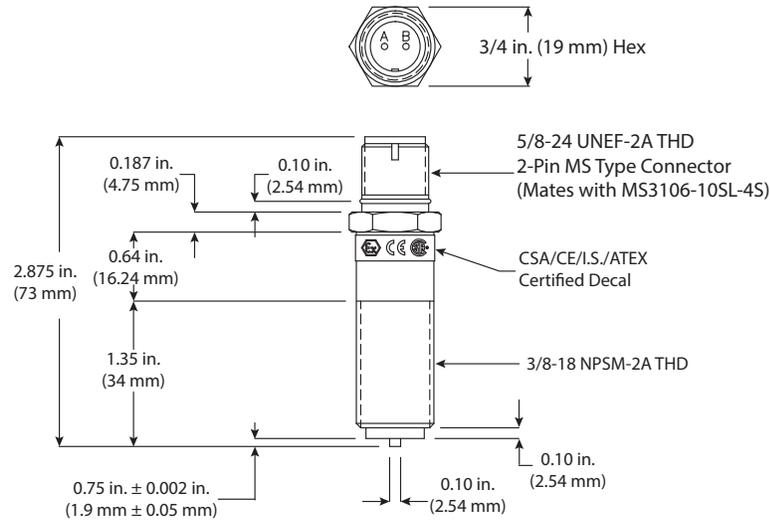
- Chemical
- Concrete production
- Industrial
- Oil and gas
- Process industries
- Refining and petrochemical



SPECIFICATIONS

Output Voltage	55m Vrms AC min.; 1.2...1.4Vp-p max.
Magnetization	Approximately 325 Gauss, TYP
Temperature Range	-150...330° F (-50...175° C)
Connector	2-pin MS3106-10SL-4S
Dielectric Strength	500V AC; either pin to case
Pole Type	430F stainless steel, 0.10 in. (2.54 mm)
Construction	300 series stainless steel housing; solid epoxy encapsulation
Thread	Connector side: 5/8-24 UNEF-2A Flow meter side: 3/8-18 NPSM-2A
Coil Resistance	1450 Ohms \pm 10%
Compliance	ATEX CSA w/NRTL/C IECEX (For details, see "Compliance" on page 2.)

DIMENSIONS



COMPLIANCE

The Model F5162 pickup complies with the following standards:

ATEX	ATEX Directive 94/9/EC: Equipment and protective systems intended for use in potentially explosive atmospheres. Applicable Standards – EN 60079-0:2012; EN 60079-11:2012	EC-Type Examination Certificate: LCIE 03 ATEX 6280 X
CSA w/NRTL/C	Applicable CSA Requirements: CSA Std. C22.2 No. 142- M1987, CAN/CSA-C22.2 No. 157-92, UL Std No. 508, UL Std No. 913	CSA-Type Examination Certificate: LR105990-1
IECEX	IEC Certification for Explosive Atmospheres. Applicable Standards – IEC 60079-0: 2011; IEC 60079-11: 2011	IECEX Certificate of Conformity IECEX LCIE 14.0024 X

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