



Max Machinery, Inc.
an ISO 9001:2008 certified company

Model 289 Frequency Transmitter For Helical Flow Meters

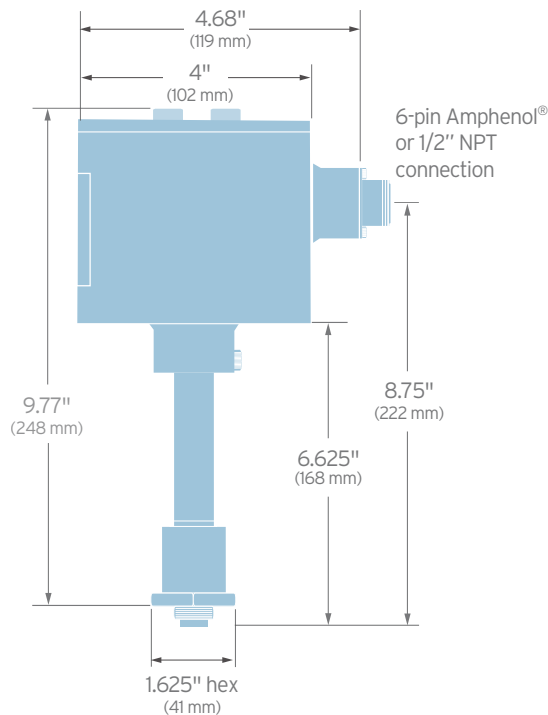
FEATURES

- Makes a "pocketless" flow meter when combined with a Max series 240 Helical flow meter
- Pre amplified square wave output capable of driving at least 1000 feet
- Weather-tight and UL® Class 1, Division 1, Groups C and D rated explosion proof options

SPECIFICATIONS

Output Signal	5 Vdc square wave (TTL and CMOS compatible) inductive pickup with amplifier
Power Supply Requirements	5 - 24 Vdc, 3 mA
Ambient Operational Range	-20°C to 65°C
Metered Liquid Temp Range	-100°C to 240°C

DIMENSIONS



Model 289 Transmitter (continued)

General Description

The 289 Series Transmitters use an inductive coil to detect the rotation of an internal flow meter gear. As the teeth on the gear move under the core of the pickup, a voltage is induced in the coil. This AC voltage is then amplified and forms a square wave output which is sent to the output terminals. The resulting pulse train can generally be sent at least 1000 feet (300m).

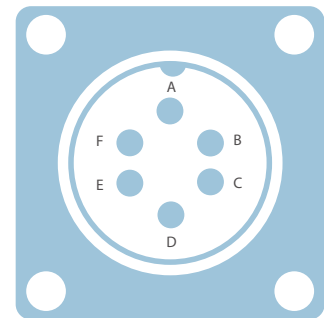
The Model 289 Transmitters were designed for exclusive use with Max Series 240, Helical Rotor Flow Meters. When used on the Series 240, a "pocketless" flow meter is formed (there are no cavities or pockets where fluids can settle and collect).

Typical Wiring Diagram

The 6-pin connector version is pre-wired inside the transmitter and is ready to accept a mating cable (available from the factory).

The Liquid-Tight and NPT models need to be wired during installation as shown in table below:

	NPT Model	6-Pin Connector	
		Mating Cable Wire Color	Pin #
Case Ground	1	Green	A
Common	2	Black	B
Power (5-24 Vdc)	3	Red	C
Pulse Output	4	White	D
Not used		No Connection	E
Not used		No Connection	F



Amphenol[®] 6-Pin Connector