

FLOWMETER PREAMPLIFIERS

Apollo can provide you with a range of accessories for Intrinsically Safe areas and areas with high electrical noise.



P5 Preamplifier

The P5 preamplifier mounts on to your flowmeter and converts the pickoff coil signal to a current pulse which is suitable for transmitting long distances and in areas of high electrical noise.

Specification

Input signal: Sine wave 5mV rms at 100Hz
7mV rms at 500Hz
10mV rms at 1 kHz
30mV rms at 3 kHz

Frequency range: 0 - 3kHz
Power supply: 4 to 40 V dc
Temperature: -20 to 70 °C
Output pulse: Sine wave current low level < 8 mA
high level > 12 mA



IS P5 Preamplifier

The Intrinsically Safe P5 amplifier approved to ATEX II 1 G EEx ia IIC T5 mounts on to your flowmeter in the hazardous area and converts the flowmeter signal to a current pulse which is suitable for transmitting long distances and in areas of high electrical noise in to the safe area.

Specification

Input signal: Sine wave 5mV rms at 100Hz
7mV rms at 500Hz
10mV rms at 1 kHz
30mV rms at 3 kHz

Input sensitivity: 10 mVrms minimum
Frequency range: 10 - 3kHz
Power supply: 11 to 27 V dc
Temperature: -20 to 70 °C
Output pulse: Sine wave current low level < 8 mA
high level > 12 mA



PPW Preamplifier

The PPW preamplifier converts the flowmeter signal to a voltage pulse suitable for transmitting long distances or in environments where there is high electrical noise.

Specification

Input signal: Sine wave 5 mV - 45 mV
Power supply: 5 -30 V dc 10 mA
Frequency range: 5 Hz to 3 kHz
Pulse output: Square wave voltage pulse
1 V less than the supply voltage

Temperature: -20 to 70 °C
Protection: IP65
Case: PVC

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PICKOFF COIL SENSORS



The pickoff coil is the sensor used in turbine and pelton wheel flowmeters.

Specification

Inductance: 400 - 605 mH
 Resistance: 1200 - 1550
 Thread connection: 5/8" UNF
 Output: mV sinewave
 Output connection: MS style connector

Pickoff coil type	Part Number	Temp. range
Standard	SEN-664001	-63°C to +110°C
High temp.	SEN-664002	-63°C to +232°C



The IS pickoff coil is for use in hazardous areas in turbine and pelton wheel flowmeters.

Specification

Approval: ATEX II 1 G EEx ia IIC T5
 Inductance: 450 mH
 Resistance: 1200
 Thread connection: 5/8" UNF
 Output: mV sinewave
 Connection: 2 core plus screen flying lead
 Temperature range -63°C to +100°C

Contact our flow measurement specialists for **FREE** advice on your application

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The expert advice and the calls are FREE
 So call now!

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