

INSTALLATION & OPERATION  
MANUAL

PRE-AMPLIFIER  
FOR MODEL 1100 TURBINE METER  
PART No. 220262  
REV. B

## GENERAL DESCRIPTION:

The solid state electronic pre-amplifier converts a low level signal into a stable square wave pulse, thus extending the application range where higher signal level are required, and will eliminate electrical noise interference. The unit is D.C. powered and requires three wires.

## SPECIFICATION:

- Input Signal: 25 mV to 30 Volts @ 5-5000 Hz
- Output Signal +5 to 10.0 Volts peak to peak square wave
- Temperature: -20° F to + 160° F
- Power Required +5 to 28 Volts D.C. @ 15 mA
- Distance Specification: Between pick-up and preamplifier = 50 ft. max. (two wire no. 18, twisted shielded pair)  
Between pre-amplifier and receiving unit = 1000 ft. max. (two wire no 18, twisted shielded pair)
- Electrical connection Terminal Strip
- Housing Epoxy encapsulated module
- Conduit Connection Rigid 1” male NPT

WIRING INSTRUCTIONS:

Terminal	Description	Notes
1	Power	+5 to 28 V D.C. @ 15 mA
2	Common	Power Return
3	Output Signal	+5 to 10 V Square Wave
4	Input	Mag Pick-up
5	Input	Mag pick-up

DIMENSIONAL DATA: