



Max Machinery Inc.

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(707) 433-7281

Model 286 Frequency Transmitter

General Description:

The 286-700 Series Transmitters employ a rotary variable differential transformer (RVDT) to convert the rotary motion of a typical Max flow meter into an electrical signal whose frequency is proportional to the flow meter RPM.

It has two output formats: a square wave of 24 cycles per revolution and a two phase output of 12 cycles per revolution. The single phase output has an antidither feature which makes it useful for low flow, zero velocity applications which may involve momentary reverse flows. A memory circuit will hold up to 16 pulses of negative flow. The two phase output is useful for bi-directional applications. Both outputs are CMOS and TTL compatible and are generally able to drive at least 1000 feet of shielded cable.

The Model 286 flow meter transmitter requires 5 - 30 VDC power. No adjustments are required for different supply voltages.

Specifications:

- **Type Of Output:** 5VDC (TTL & CMOS - compatible)
Square Wave: 24 pulses/revolution
Quadrature: 12 pulses/revolution (each phase)
- **Power Supply Requirements:** 5 to 30 VDC, 15mA plus load
- **Ambient Operation Temperature Range:**
- 15°C to 65°C (5°F to 150°F)
- **Metered Liquid Temperature Range (At 30°C Ambient):**
- 40°C to 130°C (- 40°F to 265°F)

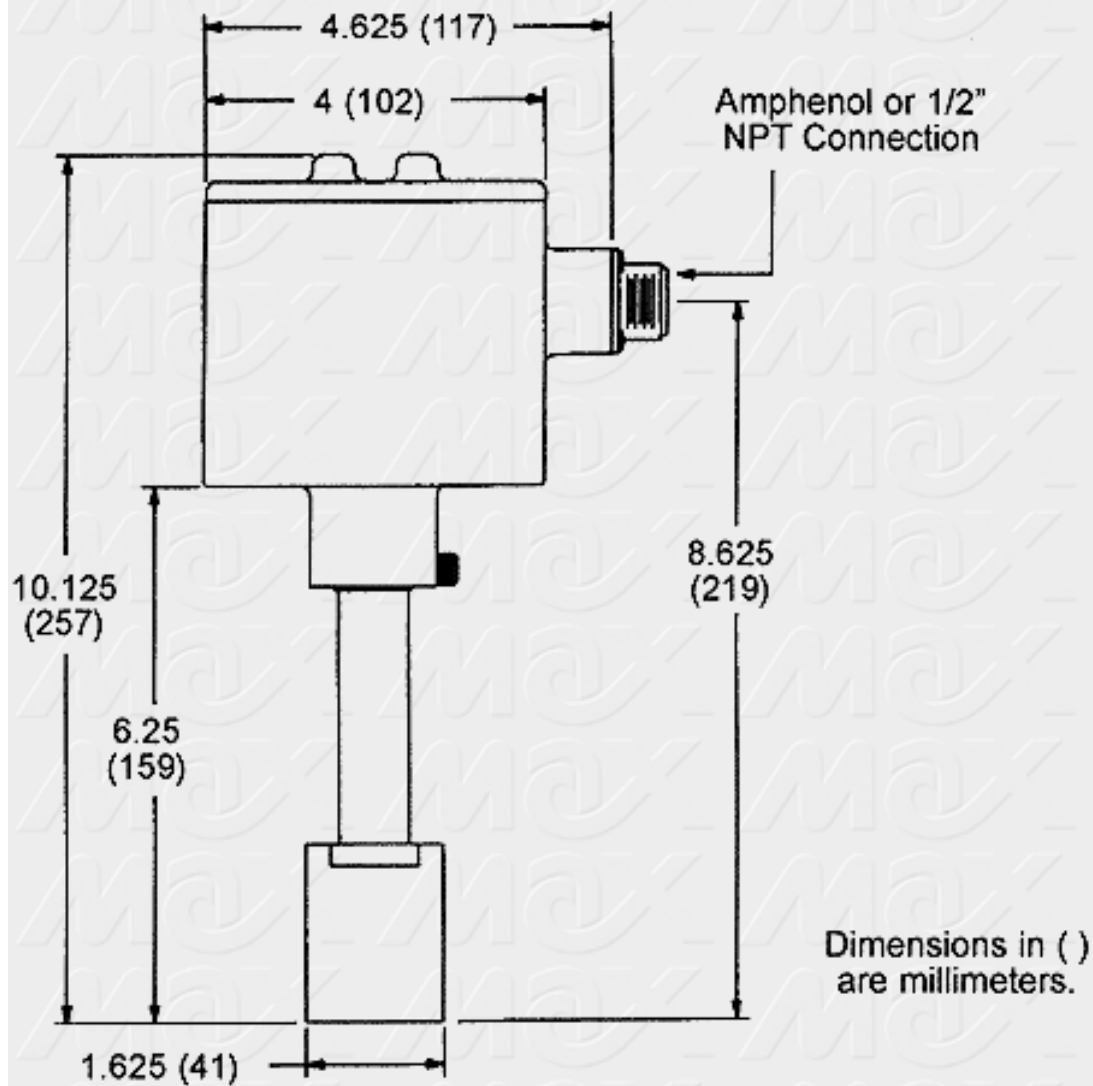
Features:

- 5 VDC square wave output is TTL and CMOS compatible.
- 2 phase quadrature output for bi-directional flow applications.
- Weather-tight and U.L Class 1, Division 1, Groups C & D rated explosion proof options. CSA certified.
- Dynamic phasing adjustment with LED indicators for accurate calibration.
- RVDT technology eliminates all mechanical drag insuring smooth operation at low flows.

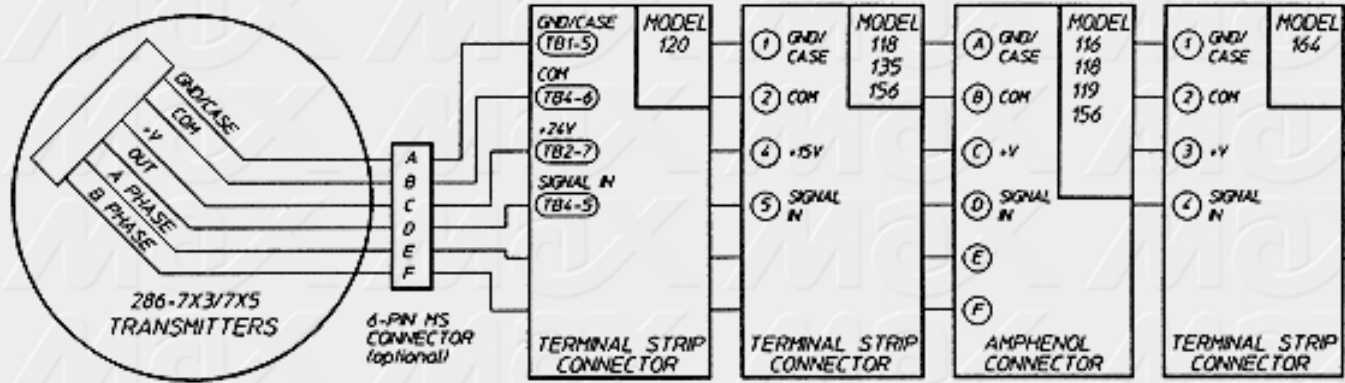


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PHYSICAL DIMENSIONS



Typical Wiring



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