Max Machinery Inc.

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(707) 433-7281

Model 276 Analog Transmitter

General Description:

The Model 276 Transmitter uses a stator coil to sense the motion of a rotating magnet contained within the flow meter. This rotation generates a two phase AC signal whose voltage is proportional to the flow rate through the meter. The transmitter's electronic circuit converts this signal into a DC voltage and then into the 4 - 20mA output which can be scaled to the flow rate of the application.

The circuitry of the Model 276 also features an adjustable damping network which allows the user to balance the output stability against the response rate of the signal to optimize system performance.

Specifications:

- **Output Signal:** Analog 4 - 20mA
  Linearity: ±0.05% full scale, or
  ±0.01mA (whichever is greater)
  Zero Stability: ±0.01mA
- **Power Supply Requirements:** Loop Powered 11.5 - 35 VDC
- **Ambient Operation Temperature Range:**
  - 15°C to 65°C (5°F to 150°F)

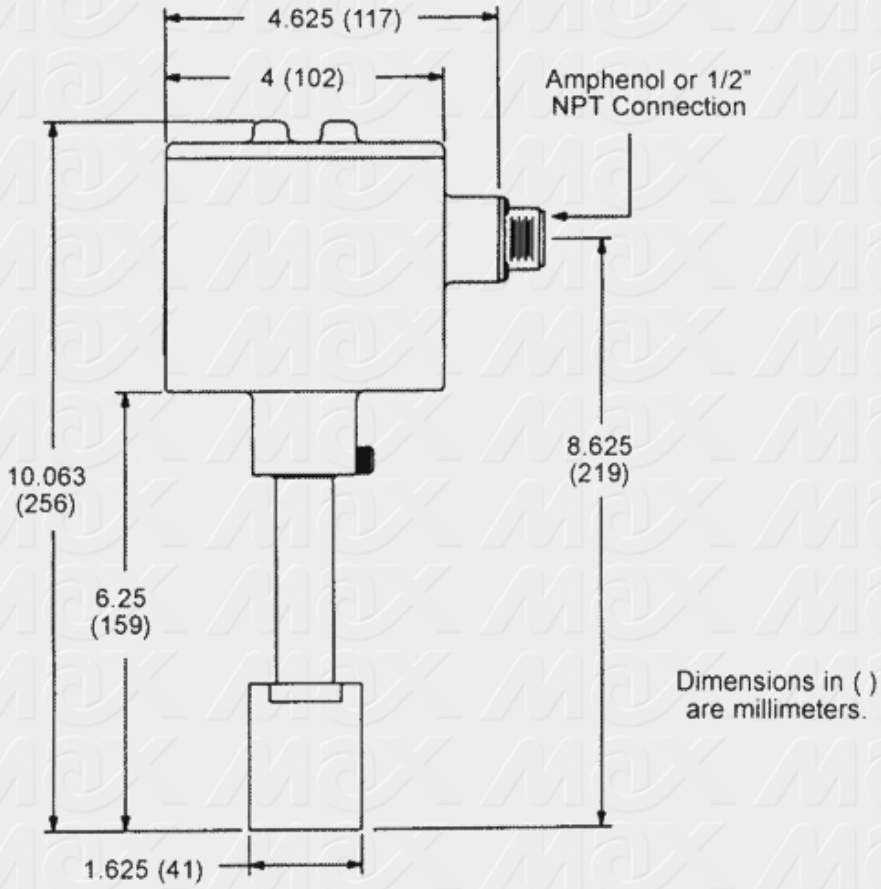
Metered Liquid Temperature Range:
- 40°C to 130°C (- 40°F to 265°F)

Features:

4 - 20mA output can be factory calibrated to user's flow specifications in any standard engineering units.
Weather tight and U.L. Class 1, Division 1, Groups C & D rated explosion-proof options. CSA certified.
Adjustable damping network provides optimum noise filtration.
Dynamic phasing adjustment - substantially reduces output modulations.
Threaded flow meter connection and magnetic coupling allows for easy removal without contacting the liquid stream.

Download 276 Manual - Zipped Acrobat Reader required to view downloaded files.

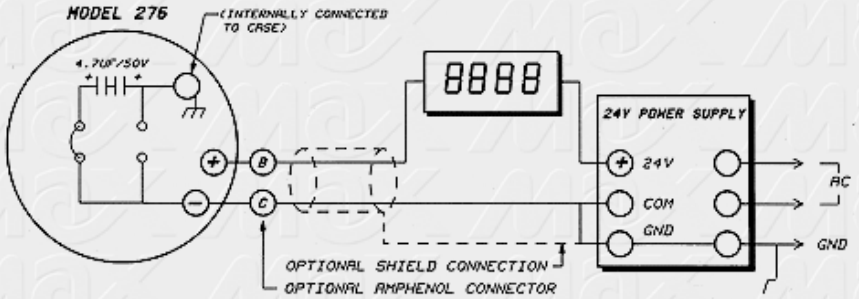
PHYSICAL DIMENSIONS



Dimensions in ( ) are millimeters.

Typical Wiring

MODEL 276 AND CUSTOMER SUPPLIED INDICATOR (WITH SEPARATE POWER SUPPLY)



THIS SHOWS SYSTEM COMMON GROUNDED AT POWER SUPPLY.
SOME INDICATORS MAY NOT HAVE ZERO VOLTS AT THE NEGATIVE OR COMMON TERMINAL AND SHOULD NOT HAVE THIS POINT CONNECTED TO GROUND.

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