

Remote 4-20 mA Transmitter



4-20 mA Transmitter
without Display



4-20 mA Transmitter
with Display

The Remote 4-20 mA Transmitter converts a low-level sine wave, open collector, square wave, or contact closure to a 4-20 mA output for long-distance transmission. This transmitter is used when a remote, externally powered current output is required.

Features and Benefits:

- ✓ Provides communication with process control equipment.
- ✓ Works with G Series, G2 Turbine Meters and GM Oval Gear Meters.
- ✓ Available with or without Display.
- ✓ Microprocessor-based electronics have extremely low power requirements.
- ✓ Easy to set 4-20 mA endpoints under actual flow conditions.
- ✓ A signal conditioner with industry standard current loop output.
- ✓ Adjustable sampling time.
- ✓ Easily mounted on pipe, panel or wall.
- ✓ Loop powered.

Remote Pulse-Out Transmitter

Features and Benefits:

- ✓ Provides communication with process control equipment.
- ✓ Works with G Series, G2 Turbine Meters and GM Oval Gear Meters.
- ✓ Available with or without Display.
- ✓ Industry Standard Output: Unscaled Pulse.
- ✓ Easily mounted on pipe, panel or wall.



Pulse-Out Transmitter
without Display



Pulse-Out Transmitter
with Display

The Remote Pulse-Out Transmitter converts a low-level sine wave to a open-collector output suitable for long-distance transmission. A Remote Pulse-Out Transmitter is used when a remote, externally powered pulse output is required.



G2 Series Remote Transmitters

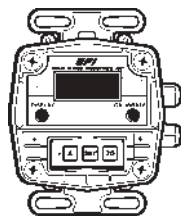
Remote Transmitters for G2 Meters:

Four options of Remote Transmitters are available for the G2 Turbine Meter line:

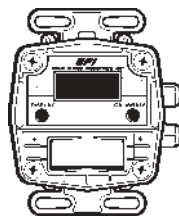
Remote 4-20 mA Transmitter
With or Without Display
(Electronic Choice 40 or 20)

Remote Pulse-Out Transmitter
With or Without Display
(Electronic Choice 30 or 10)

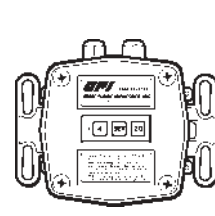
| | Remote 4-20 mA With Display (Electronic Choice: 40) | Remote Pulse-Out With Display (Electronic Choice: 30) | Remote 4-20 mA Without Display (Electronic Choice: 20) | Remote Pulse-Out Without Display (Electronic Choice: 10) |
|--|--|--|---|---|
| Accuracy: | ± 0.1% of reading | ± 0.1% of reading | ± 0.1% of reading | ± 0.1% of reading |
| Output Options: | | | | |
| Primary Output: | Loop (4-20 mA or 0-20 mA) | N/A | Loop (4-20 mA or 0-20 mA) | N/A |
| Minimum: | 1.5 mA | | 1.5 mA | |
| Maximum: | 25 mA | | 25 mA | |
| Auxiliary Outputs 0-5V: | Single Ended | N/A | Single Ended | N/A |
| Minimum: | 0.1 V | | 0.1 V | |
| Maximum: | 4.9 V | | 4.9 V | |
| Pulse-Out: | | | | |
| Max. "OFF" Voltage: | — | 60 V | — | 60 V |
| Max. "ON" Current: | — | 500 mA | — | 200 mA |
| Max. "ON" Voltage Drop: | — | < 0.5 V @ 500 mA | — | < 0.5 V @ 500 mA |
| Electrical: | | | | |
| Strain Relief: | Hubble PG7 | Hubble PG7 | Hubble PG7 | Hubble PG7 |
| Strain Relief Thread: | Female 1/2-20 UNF-2B | Female 1/2-20 UNF-2B | Female 1/2-20 UNF-2B | Female 1/2-20 UNF-2B |
| Cable: | Belden 9363 | Belden 9363 | Belden 9363 | Belden 9363 |
| Cable Length: | 20 ft. (6 m) provided | 20 ft. (6 m) provided | 20 ft. (6 m) provided | 20 ft. (6 m) provided |
| Power Supply: | 2-wire, loop powered | 2-wire, loop powered | 2-wire, loop powered | 2-wire, loop powered |
| Voltage Supply (Min.): | 8.5 VDC | 8.5 VDC | 8.5 VDC | 8.5 VDC |
| Voltage Supply (Max.): | 35 VDC | 35 VDC | 35 VDC | 35 VDC |
| Sensor Options: (w/G2 Meters) | | | | |
| Standard Remote Sensor: | Low Level Sine Wave | Low Level Sine Wave | Low Level Sine Wave | Low Level Sine Wave |
| Conditioned Signal or Pulse Access Sensor Type: | Open collector | Open collector | Open collector | Open collector |
| Mounting: | Pipe, panel or wall | Pipe, panel or wall | Pipe, panel or wall | Pipe, panel or wall |
| Operating Temperature: | -14°F to 140°F (-10°C to 60°C) | -14°F to 140°F (-10°C to 60°C) | -14°F to 140°F (-10°C to 60°C) | -14°F to 140°F (-10°C to 60°C) |
| Frequency Input: | | | | |
| Low Level Coil (LLC): | 0.25 - 1000 Hz | 0 - 1000 Hz | 0.25 - 1000 Hz | 0 - 1000 Hz |
| High Level Low Frequency: | 0.25 - 150 Hz | 0 - 150 Hz | 0.25 - 150 Hz | 0 - 150 Hz |
| High Level High Frequency: | 0.25 - 1000 Hz | 0 - 1200 Hz | 0.25 - 1000 Hz | 0 - 1200 Hz |
| Optically Isolated HLLF: | w/2500 V optical isolation | w/2500 V optical isolation | w/2500 V optical isolation | w/2500 V optical isolation |
| Optically Isolated HLFH: | w/2500 V optical isolation | w/2500 V optical isolation | w/2500 V optical isolation | w/2500 V optical isolation |
| Enclosure Rating: | NEMA 4X / IP55 | NEMA 4X / IP55 | NEMA 4X / IP55 | NEMA 4X / IP55 |
| Shipping Weight (approx.): | 2.0 lbs. (.90 kg) | 2.0 lbs. (.90 kg) | 2.0 lbs. (.90 kg) | 2.0 lbs. (.90 kg) |



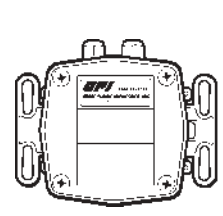
**Remote 4-20 mA
With Display**



**Remote Pulse-Out
With Display**



**Remote 4-20 mA
Without Display**



**Remote Pulse-Out
Without Display**

BUY SMART . BUY VALUE . BUY **GPI**