



Remote Transmitters

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 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 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.
- ✓ Loop powered.



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 40 or 20)

	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 - 1200 Hz	0 - 1200 Hz	0.25 - 1200 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 HLHF:	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)