Remote Transmitters

Remote 4-20 mA Transmitter





4-20 mA Transmitter without 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.

Remote Pulse-Out Transmitter

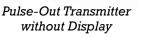
Features and Benefits:

- 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.

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.







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, expernally powered pulse output is required.

SECTION 6: ELECTRONICS CHOICES

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

Remote Pulse-Out Transmitter

With or Without Display (Electronic Choice 40 or 20) 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	$\pm 0.1\%$ of reading	$\pm 0.1\%$ of reading	$\pm 0.1\%$ 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	Open collector	Open collector	Open collector	Open collector
Pulse Access Sensor Type:				
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 - 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)