



FEATURES

- No moving parts
- Durable
- Adjustable depth
- · Hot-tap available
- Brass or stainless steel
- · Immersibility available
- · Reverse flow output available

APPLICATIONS

- 3"- 48" pipe (up to 72" optional)
- · Clean or "dirty" liquids
- Conductive liquids
- Municipal
- Industrial
- Irrigation

GENERAL INFORMATION

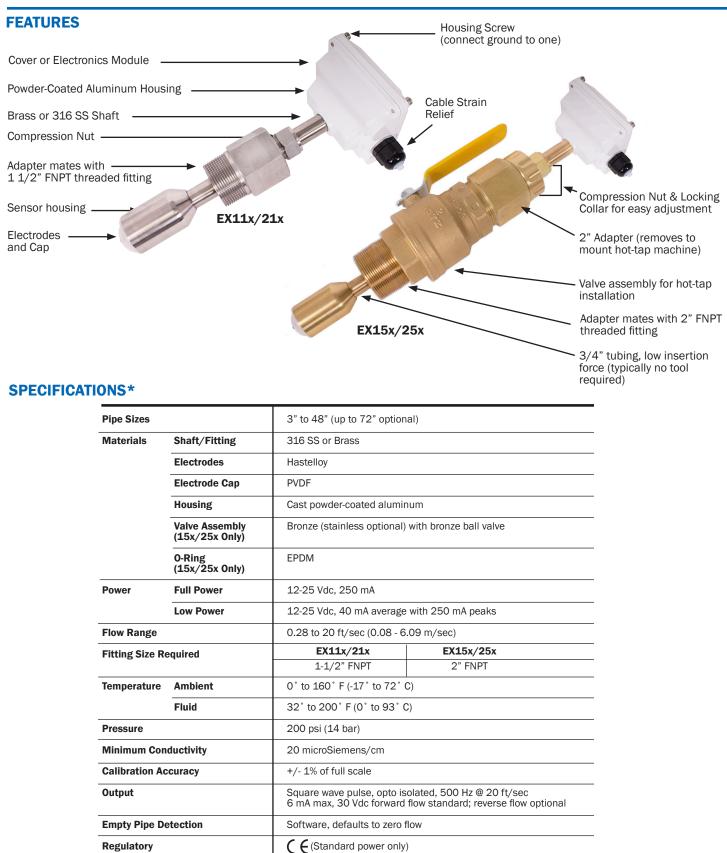
The EX100/200-Series are adjustable depth insertion magmeters that fit 3" to 48" pipe (up to 72" optional). The complete lack of moving parts of the EX100/200-Series is the source of its reliability. Brass and stainless steel models withstand a variety of temperature, pressure, and chemical conditions. The EX-Series has no rotor to stop turning in dirty water and there are no bearings to wear out. Like all magmeters, when used in chemical injection applications, these meters should be installed upstream of the chemical line (or far enough downstream to allow complete mixing of fluids before the meter). Adapters mate with standard 1-1/2" (11x/21x) or 2" (15x/25x) FNPT threaded fittings such as saddles and weldolets which may be purchased either locally or from Seametrics.

A rapidly reversing magnetic field is produced in the lower housing. As the fluid moves through this field, a voltage is generated that is measured and translated into a frequency signal proportional to flow rate. This square wave signal can be sent directly to a PLC or other control or can be converted using any of the Seametrics family of indicators and converters. A modular system of electronics can be installed directly on the flow sensor or mounted remotely. The FT430 (externally powered with pulse) and the FT440 (loop powered), both provide digital rate and total displays, as well as a programmable pulse; the FT440 also provides a 4-20 mA analog output. The A055 is a blind analog (4-20 mA) transmitter. Programmable pulse for pump pacing is available with the PD10.

The "hot-tap" models (EX15x/25x) can be installed or serviced without shutting down the line by means of a 2" full-port isolation valve that comes with a nipple for installation on the pipe fitting; a bronze ball valve is standard, with a 316 stainless steel valve option if needed. In most circumstances, no special tool is required.

Reverse flow output and immersibility are optional.

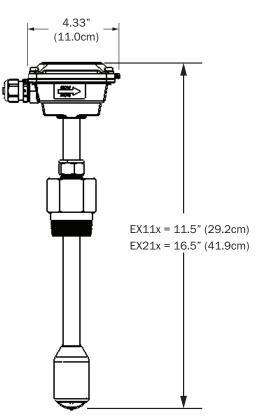


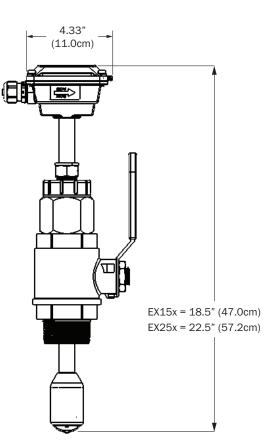


*Specifications subject to change • Please consult our website for current data (www.seametrics.com).

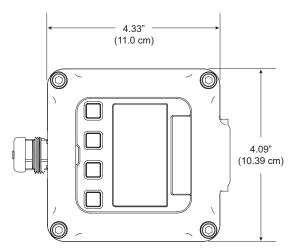


DIMENSIONS





Flow Range (GPM)					
Nominal Pipe Size	Min. Flow	Max. Flow			
3	6	440			
4	11	783			
6	25	1,762			
8	44	3,133			
10	69	4,895			
12	99	7,050			
14	134	9,596 12,533			
16	175				
18	222	15,863			
20	274	19,584			
24	395	28,200			
30	617	44,064			
36	888	63,452			
48	1,580	112,804			





HOW TO ORDER

HOW	IO ORDER				
>	Description	Size	Sensor Material	Options (110/210)	Options (150/250)
Sensor Only	Sensor Only.	3" - 10" pipe = EX110 10" - 48" pipe = EX210 Hot Tap 3" - 10" pipe = EX150 10" - 48" pipe = EX250	Brass = B 316 Stainless = S	Brass Adapter Fitting 2" NPT =-02 SS Adapter Fitting 2" NPT =-02 Reverse Flow Output = -15 Brass Adapter 1 ½" BSP =-23 SS Adapter 1 ½" BSP =-24 Old Style Adapter 1 ½" NPT = -35 *Immersible = -40 Low Power =-50 12" Extension (200 Series Only) =-72	316 SS Valve Assembly = -08 No Valve Assembly = -09 316 SS Valve Assembly = -08 Reverse Flow Output = -15 *Immersible = -40 Low Power = -50 12" Extension (200 Series Only) = -72
-	Description	Size	Sensor Material	Options (112/212)	Options (152/252)
A055 Mounted on Sensor	Blind 4-20 mA analog transmitter (A055) mounted on the sensor.	3" - 10" pipe = EX112 10" - 48" pipe = EX212 Hot Tap 3" - 10" pipe = EX152 10" - 48" pipe = EX252	Brass = B 316 Stainless = S	Brass Adapter Fitting 2" NPT = -02 SS Adapter Fitting 2" NPT = -02 Reverse Flow Output = -15 Brass Adapter 1 $\frac{1}{2}$ " BSP =-23 SS Adapter 1 $\frac{1}{2}$ " BSP =-24 Old Style Adapter 1 $\frac{1}{2}$ " NPT = -35 Low Power = -50 12" Extension (200 Series Only) = -72	316 SS Valve Assembly = -08 No Valve Assembly = -09 Reverse Flow Output = -15 Low Power = -50 12" Extension (200 Series Only) = -72
	Description	Size	Sensor Material	Options (113/213)	Options (153/253)
FT430 Mounted on Sensor	Rate & total indicator with pulse, externally powered (FT430) mounted on the sensor.	3" - 10" pipe = EX113 10" - 48" pipe = EX213 Hot Tap 3" - 10" pipe = EX153 10" - 48" pipe = EX253	Brass = B 316 Stainless = S	Brass Adapter Fitting 2" NPT = -02 SS Adapter Fitting 2" NPT = -02 Reverse Flow Output = -15 Brass Adapter 1 ½" BSP = -23 SS Adapter 1 ½" BSP = -24 Tamper Evident Kit = -32 Old Style Adapter 1 ½" NPT = -35 Low Power = -50 Non-resettable Total = -64 12" Extension (200 Series Only) = -72 Hinged Display Cover = -126	316 SS Valve Assembly = -08 No Valve Assembly = -09 Reverse Flow Output = -15 Tamper Evident Kit = -32 Non-resettable Total = -64 12" Extension (200 Series Only) = -72 Hinged Display Cover = -126
þć	Description	Size	Sensor Material	Options (116/216)	Options (156/256)
DL76 Mounted on Sensor	Data logger (DL76) mounted on the sensor.	3" - 10" pipe = EX116 10" - 48" pipe = EX216 Hot Tap 3" - 10" pipe = EX156 10" - 48" pipe = EX256	Brass = B 316 Stainless = S	Brass Adapter Fitting 2" NPT = -02 SS Adapter Fitting 2" NPT = -02 Reverse Flow Output = -15 Brass Adapter 1 $\frac{1}{3}$ " BSP = -23 SS Adapter 1 $\frac{1}{3}$ " BSP = -24 Tamper Evident Kit = -32 Old Style Adapter 1 $\frac{1}{3}$ " NPT = -35 Low Power = -50 12" Extension (200 Series Only) = -72	316 SS Valve Assembly = -08 No Valve Assembly = -09 Reverse Flow Output = -15 Tamper Evident Kit = -32 Low Power = -50 12" Extension (200 Series Only) = -72
-	Description	Size	Sensor Material	Options (118/218)	Options (158/258)
PD10 Mounted on Sensor	Pulse Divider (PD10) mounted on the sensor.	3" - 10" pipe = EX118 10" - 48" pipe = EX218 Hot Tap 3" - 10" pipe = EX158 10" - 48" pipe = EX258	Brass = B 316 Stainless = S	Brass Adapter Fitting 2" NPT = -02 SS Adapter Fitting 2" NPT = -02 LMI Pump 4-pin Connector = -06 Reverse Flow Output = -15 Brass Adapter 1 $\frac{1}{2}$ " BSP = -23 SS Adapter 1 $\frac{1}{2}$ " BSP = -24 Old Style Adapter 1 $\frac{1}{2}$ " NPT = -35 10 Ft: Cable for LMI Connector = -37 Low Power = -50 12" Extension (200 Series Only) = -72 Roytronic® Series A 5-Pin Connector = -106	LMI Pump 4-pin Connector = -06 316 SS Valve Assembly = -08 No Valve Assembly = -09 Reverse Flow Output = -15 10 Ft. Cable for LMI Connector = -37 Low Power = -50 12" Extension (200 Series Only) = -72 Roytronic® Series-A 5-Pin Connector = -106
	Description	Size	Sensor Material	Options (119/219)	Options (159/259)
FT440 Mounted on Sensor	Rate & total indicator with pulse & 4-20 mA output, loop powered (FT440) mounted on the sensor.	3" - 10" pipe = EX119 10" - 48" pipe = EX219 Hot Tap 3" - 10" pipe = EX159 10" - 48" pipe = EX259	Brass = B 316 Stainless = S	Brass Adapter Fitting 2" NPT = -02 SS Adapter Fitting 2" NPT = -02 Reverse Flow Output = -15 Brass Adapter 1 ½" BSP = -23 SS Adapter 1 ½" BSP = -24 Tamper Evident Kit = -32 Old Style Adapter 1 ½" NPT = -35 Low Power = -50 Non-resettable Total = -64 12" Extension (200 Series Only) = -72 Hinged Display Cover = -126	316 SS Valve Assembly =-08 No Valve Assembly =-09 Reverse Flow Output =-15 Tamper Evident Kit =-32 Non-resettable Total =-64 12° Extension (200 Series Only) =-72 Hinged Display Cover =-126

* Immersible to maximum of 3 ft (1m), up to 2 weeks • Roytronic is a registered trademark of Milton Roy Company.

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