

Industrial Oil Meters

Models Elster 15, Elster 20,
Elster 25

Sizes: 1/2", 3/4" & 1"



Model:	Elster 15	Elster 20	Elster 25
Sizes:	1/2"	3/4"	1"
Minimum Flow GPH (l/h)	2.6 (10)	8 (30)	20 (75)
Max Cont Flow GPH (l/h)	*105 (400)	265 (1000)	530 (2000)
Peak Flow GPH (l/h)	160 (600)	400 (1500)	800 (3000)
Accuracy	± 1%	± 1%	± 1%
Max Oper Pressure psi (bar)	225 (16)	225 (16)	225 (16)
Max Operating Temp °F (°C)	266 (130)	266 (130)	266 (130)

Register Reading:

Smallest Quantity USG (l)	0.01 (0.01)	0.01 (0.1)	0.01 (0.1)
Capacity in Millions USG (l)	1 (1)	1 (10)	1 (10)

Physical Description:

Weight in lbs. (kg)	4.6 (2.1)	5.5 (2.5)	9.3 (4.2)
Threaded Connection Type**	1/2" MNPT	3/4" MNPT	1" MNPT
Safety Filter Mesh (incl.)	40	40	40
Recommended Strainer Mesh	60	40	40

Optional Pulse Units:

Reed Pulses/USG (pulses/l)	10 (1, 10)	10 (1)	1 (1)
Inductive Pulses/USG	278*** (100)	100 (100)	100 (10)

Materials:

Meter Body	Cast Bronze
Working Chamber	Brass
Thimble (bushing)	Brass (Elster 20) Ryon (Elster 15 & Elster 25)
Shutter	Brass (Elster 20) Ryon (Elster 15 & Elster 25)
O-rings	Viton
Piston	Anodized Aluminum
Safety Filter	316 Stainless Steel

*Meter selection should be based on the maximum recommended continuous flow rating.

**ANSI 355# flanged connections optional.

**Prior to 2008: 1000 ppg

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Reed Pulser:

2-wire system

Max Voltage: 48 VAC/VDC

Max Current: 50 mA

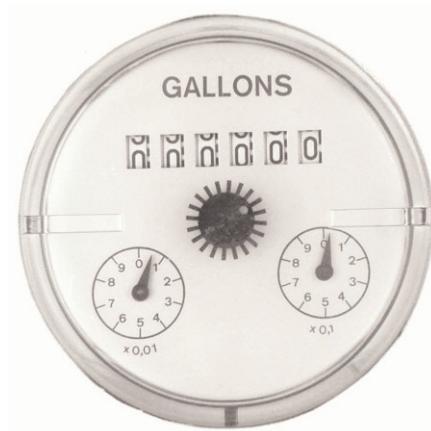
Max Switch Power: 3W

Max Resistor (47 Ohm) Power: 0.5 W

On Time: 50 ± 10%

9 ft. (3m) of 2-wire cable is provided

Note: This pulser is not polarity (+/-) sensitive. This pulser adds approximately 0.2 lbs. to the weight of the meter.



Inductive Pulser:

2-wire system

Voltage: 5-15 VDC

Switching Current: 1 mA (open), 4 mA (closed) @ 8 VDC

On Time: 50 ± 10%

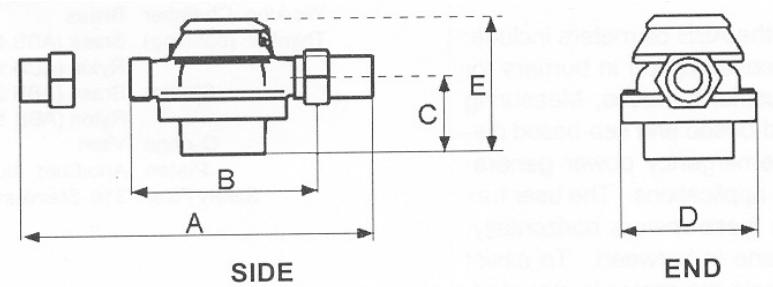
No cable supplied

Note: This pulser is polarity (+/-) sensitive. This pulser adds approximately 1.3 lbs. to the weight of the meter.

Dimensions

Meter Size	Dimensions in Inches (mm)						E
	A*	B	C	D	No Pul.	Reed Pul.	
1/2"	9.875 (250)	6.500 (165)	1.750 (45)	4.125 (105)	4.095 (104)	5.039 (128)	7.165 (182)
3/4"	10.500 (270)	6.500 (165)	2.125 (54)	4.125 (105)	4.449 (113)	5.394 (137)	7.520 (191)
1"	11.875 (300)	7.500 (190)	3.032 (77)	5.125 (130)	5.512 (140)	6.457 (164)	8.583 (218)

Note: All dimensions are ± 1/8" * with NPT connections with Flanges use B



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IND-OIL-152025/07-08