

Curb Meters

Curb meters were designed to measure various gases under special operational applications such as in underground vaults

Features

- Special two-component polyurethane coating
- Top reading odometer-style index
- Oil-impregnated, self-lubricating bushings
- Molded, convoluted diaphragms for smooth operation and long life
- Rigid, reinforced flag rods for positive alignment and sustained accuracy
- Graphite-filled phenolic valves to minimize wear
- Long-life, low friction, grommet seals
- Security seals that indicate tampering

Advantages

- Temperature compensation available from -30°F to 140°F (-34°C to 60°C)
- Flow rates up to 630 SCFH (61.2 m³/h) (0.60 specific gravity gas) at 1/2-inch W.C. differential
- Index and badge can be read from overhead
- AMR/AMI compatibility
- Meets ANSI B109.1 specifications

Applications

The Curb Meter uses our existing aluminum body meters for service in the wet and corrosive environment of the curb vault. To combat corrosion the meter is fully coated in two-component polyurethane. The index and badge are modified to allow for reading from above the meter. Curb meters are available in several connection styles; standard top or side connections or the new extended top version with front and back connections.

Options

- Standard top or new extended top
- Regular or Temperature Compensated
- 1ft³, 2ft³, or 0.05m³ drive
- 10 LT, 20 LT, 30 LT, 45 LT and other connections
- Operating pressures up to 25 PSIG (1724 mbar) Maximum Allowable Operating Pressure (MAOP)
- Pressure compensating indexes
- Standard or UV protected index covers



- Meter bars
- Connection sets
- Remote Volume Pulsers

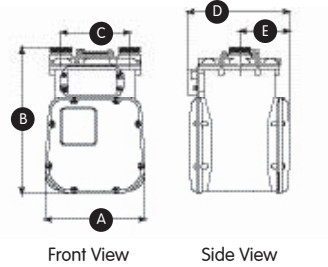


ITT Controls

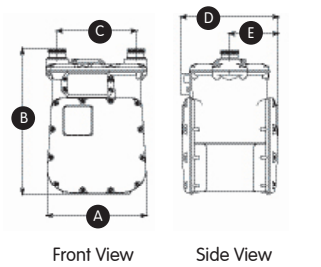
Model Dimensions

	A	B	C	D	E	F	G
AC-250	8-3/4" (222.3mm)	12-7/8" (327.0mm)	6" (152.4mm)	8-7/8" (225.4mm)	4-3/8" (111.1mm)	—	—
AL-425 & AC-630	10-1/4" (260.4mm)	15" (381.0mm)	8-1/4" (209.0mm)	10-1/2" (266.7mm)	5" (127.0mm)	—	—
AC-250 Extended Top	8-3/4" (222.3mm)	14-7/8" (377.8mm)	4-1/2" (114.3mm)	8-7/8" (225.4mm)	—	8-7/8" (225.4mm)	8-7/8" (225.4mm)
AL-425 & AC-630 Extended Top	10-1/4" (260.4mm)	17-1/2" (444.5mm)	4-1/2" (114.3mm)	10-1/2" (266.7mm)	—	15-3/8" (390.5mm)	8-1/2" (215.9mm)

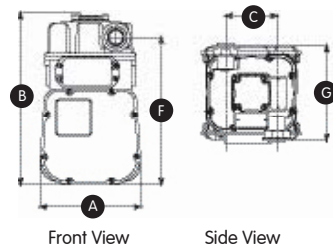
Model AC-250



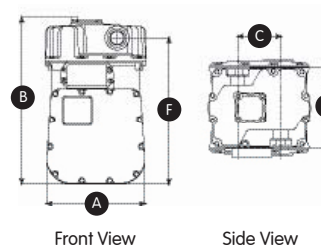
Models AL-425 and AC-630



Model AC-250 Extended Top



Model AL-425 and AC-630 Extended Top



Capacities (0.60 specific gravity gas)

Line Pressure PSIG (mbar)	Differential Inches W.C. (mbar)	AC-250 SCFH (m³/h)	AL-425 SCFH (m³/h)	AC-630 SCFH (m³/h)
0.25 (17)	1/2 (1.2)	250 (7.1)	425 (12.0)	630 (17.8)
2 (138)	2 (5)	600 (17.0)	955 (27.0)	1390 (39.4)
5 (345)	2 (5)	656 (16.8)	1038 (29.4)	1515 (42.9)
10 (690)	2 (5)	742 (21.0)	1154 (32.7)	1710 (48.4)
20 (1380)	2 (5)	—	1367 (38.7)	2010 (56.9)
25 (1724)	2 (5)	—	1462 (41.4)	2160 (61.2)

Connection Sizes

Connection Sizes	Standard Meter Connections			Extended Top Meter Connections
	AC-250	AL-425	AC-630	AC-250, AL-425, AC-630
3/4" 10 LT	yes	—	—	—
1" 20 LT	yes	yes	yes	—
1-1/4" 30 LT	yes	yes	yes	yes
1-1/2" 45 LT	—	yes	yes	—
1" Sprague	yes	—	—	—
#1 Pittsburgh	yes	—	—	—
#3-4 Sprague	—	yes	yes	—