

7480 Series

GLASS TUBE

This 250 mm scale, economical glass tube meter features 304 stainless steel case construction. NPT or flange, vertical or horizontal connections offer installation versatility.



DESCRIPTION

Metering Tube	Borosilicate Kinglass
Internal Components	Standard: 316L SS Optional: Hastelloy® C-276
Fitting Material	Standard: 316L SS Optional: PVC (vertical connections only)
Inlet/Outlet Fittings	FNPT or flange, vertical or horizontal
O-Ring	Standard: Viton® Optional: Buna N, EPR, and Kalrez®
Case and Covers	304 SS case Polycarbonate shield

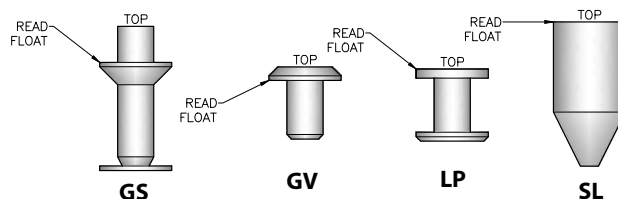
PERFORMANCE

Capacities	Water 0.22 to 132 GPM Air 0.9 to 350 SCFM
Scale	250 mm (10") direct reading, detachable
Accuracy	± 2% of full scale flow
Turndown	10:1
Repeatability	0.5%
Maximum Temperature	316L SS fittings Gases 200° F (93° C) PVC fittings Liquids 110° F (43° C)
Maximum Pressure	316L SS fittings 250 psig, size 3 & 4 316L SS fittings 250 psig, size 5 & 6 316L SS fittings 150 psig, size 8 & 9 PVC fittings* 150 psig, size 3, 4, 5 & 6 PVC fittings* 125 psig, size 8 & 9
Ambient Temperature	33° F to 125° F (1° C to 52° C)

OPTIONS

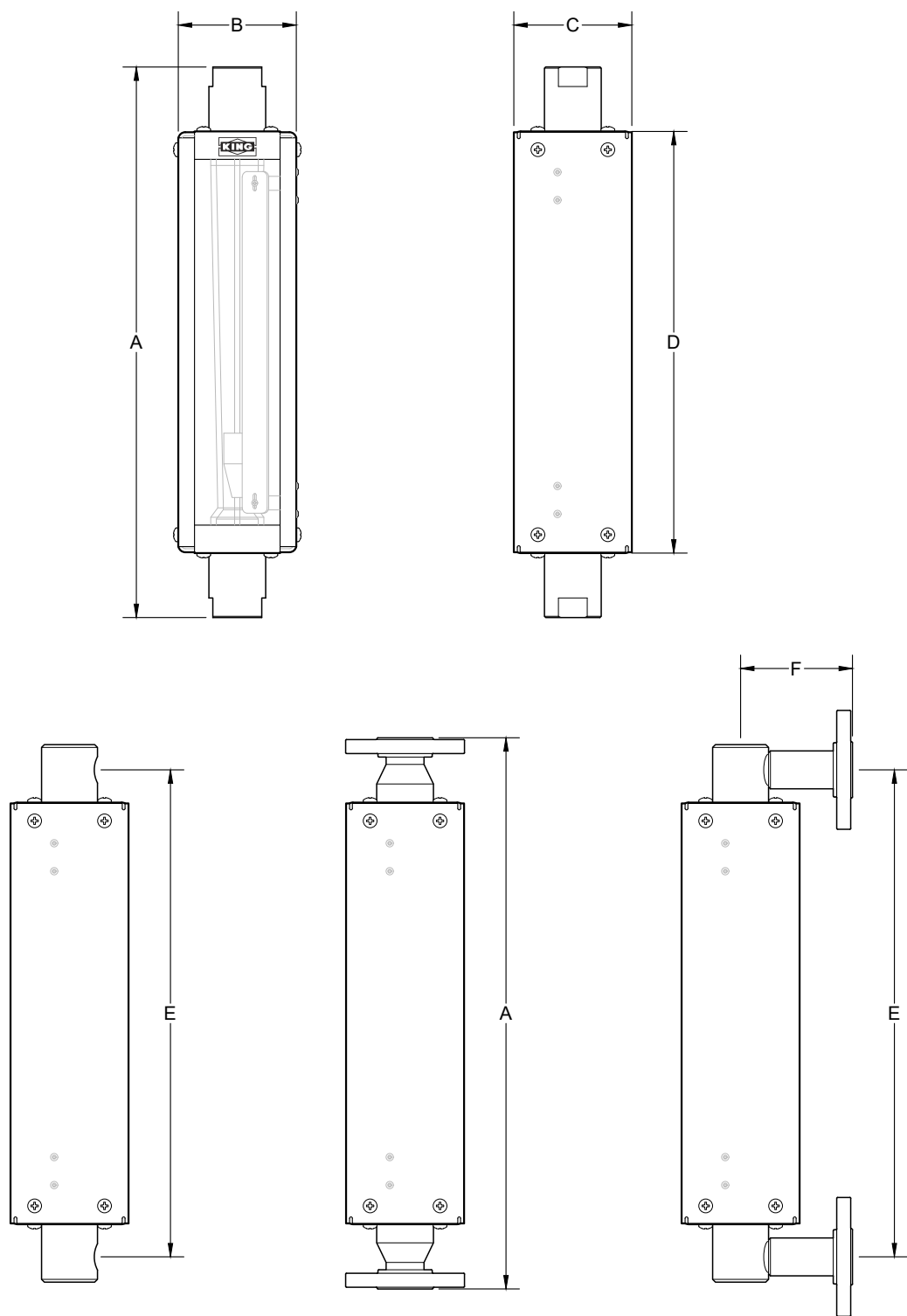
Alarm	Latching Reed Switch (Page 55)
Certified Calibrations	Conform to ISA RP 16.6
Scales	Any volumetric unit.

FLOATS



* Liquids service only

DIMENSION DIAGRAMS



Order Number	Dimensions (Inches)					
	A	B	C	D	E	F
31 - 46	19.69	4.22	4.22	15.00	17.42	3.56
51 - 613	19.69	4.22	4.22	15.00	17.42	4.00
84 - 99	19.69	5.90	5.90	16.14	20.41	5

7480 Specifications

GLASS TUBE

Order No.	Full Scale Flow GPM - Water	Full Scale Flow SCFM - Air	Alarm Opt.	Float Number	Float Type	Pressure Drop (Inches of Water)	Tube Size - Number*	Connection Size FNPT	Flange
31	.22	.9	No	3/8-LPG-01	LP	—	3G - 3/8-20-G-10	3/4"	1/2"
32	.315	1.4	No	3/8-SLG-01	SL	2	3G - 3/8-20-G-10	3/4"	1/2"
33	.64	2.7	No	3/8-SLG-02	SL	7	3G - 3/8-20-G-10	3/4"	1/2"
41	.77	3.4	No	1/2-LPG-01	LP	6	4G - 1/2-32-G-10	3/4"	1/2"
42	1.02	4.4	No	1/2-LPG-02	LP	10	4G - 1/2-32-G-10	3/4"	1/2"
43	1.20	5.0	Yes	1/2-GVG-01	GV	10	4G - 1/2-32-G-10	3/4"	1/2"
44	1.44	6.1	No	1/2-GSG-01	GS	15	4G - 1/2-32-G-10	3/4"	1/2"
45	1.92	8.5	Yes	1/2-SLG-01	SL	28	4G - 1/2-32-G-10	3/4"	1/2"
46	2.26	10.2	Yes	1/2-SLG-02	SL	41	4G - 1/2-32-G-10	3/4"	1/2"
51	1.1	4.5	No	3/4-LPG-01	SL	1	5G - 3/4-28-G-10	3/4"	1"
52	2.4	10.0	Yes	3/4-GVG-01	SL	4	5G - 3/4-28-G-10	3/4"	1"
53	3.0	12.0	Yes	3/4-GSG-01	SL	5	5G - 3/4-28-G-10	3/4"	1"
54	3.3	13.2	Yes	3/4-GVG-02	SL	6	5G - 3/4-28-G-10	3/4"	1"
55	4.0	16.4	Yes	3/4-GSG-02	SL	6	5G - 3/4-28-G-10	3/4"	1"
56	5.2	22.0	Yes	3/4-SLG-01	SL	18	5G - 3/4-28-G-10	3/4"	1"
61	6.9	—	Yes	1-LPG-02	LP	4	6G - 1-32-G-10	3/4"	1"
62	9.8	—	No	1-SLG-01	SL	8	6G - 1-32-G-10	3/4"	1"
63	12.6	—	Yes	1-SLG-02	SL	13	6G - 1-32-G-10	3/4"	1"
64	6.7	27.0	No	1-LPP-01	LP	4	6P - 1-40-P-10	3/4"	1"
65	7.4	30.0	No	1-GVP-01	GV	6	6P - 1-40-P-10	3/4"	1"
66	8.5	35.0	No	1-GVP-02	GV	8	6P - 1-40-P-10	3/4"	1"
67	10.4	42.5	No	1-GSP-01	GS	10	6P - 1-40-P-10	3/4"	1"
68	11.6	46.5	No	1-GVP-03	GV	15	6P - 1-40-P-10	3/4"	1"
69	12.0	50.0	No	1-GSP-02	GS	14	6P - 1-40-P-10	3/4"	1"
610	15.6	63.0	No	1-GSP-03	GS	24	6P - 1-40-P-10	3/4"	1"
611	21.6	100.0	Yes	1-SLP-01	SL	61	6P - 1-40-P-10	3/4"	1"
612	27.5	—	Yes	1-SLP-02	SL	85	6P - 1-40-P-10	3/4"	1"
613	34.5	—	Yes	1-SLP-03	SL	110	6P - 1-40-P-10	3/4"	1"
84	17.0	70.0	No	1 1/2-GVP-01	LP	2	8P - 1 1/2-32-P-10	1 1/2"	1 1/2"
85	21.2	87.0	No	1 1/2-GVP-02	LP	4	8P - 1 1/2-32-P-10	1 1/2"	1 1/2"
86	22.2	—	No	1 1/2-GSP-01	LP	6	8P - 1 1/2-32-P-10	1 1/2"	1 1/2"
87	24.8	102.0	No	1 1/2-GVP-03	GV	10	8P - 1 1/2-32-P-10	1 1/2"	1 1/2"
88	28.5	—	No	1 1/2-GSP-02	GV	20	8P - 1 1/2-32-P-10	1 1/2"	1 1/2"
89	35.0	—	No	1 1/2-GSP-03	GS	24	8P - 1 1/2-32-P-10	1 1/2"	1 1/2"
94	41.5	170.0	No	2-GVP-01	GV	2	9P - 2-30-P-10	1 1/2"	1 1/2"
95	58.0	240.0	No	2-GSP-01	GS	6	9P - 2-30-P-10	1 1/2"	1 1/2"
96	65.0	270.0	No	2-GSP-02	GS	10	9P - 2-30-P-10	1 1/2"	1 1/2"
97	85.0	350.0	No	2-SLP-00	SL	40	9P - 2-30-P-10	1 1/2"	1 1/2"
98	100.0	—	No	2-SLP-01	SL	50	9P - 2-30-P-10	1 1/2"	1 1/2"
99	132.0	—	No	2-SLP-02	SL	60	9P - 2-30-P-10	1 1/2"	1 1/2"

* Tubes designated "G" have rib-guided floats.
Tubes designated "P" have pole-guided floats.

ORDERING:

Use the following guide to determine the specific product number you require.

Meter Series	Fitting Material	Float Material	O-Ring Material	Order Number	Alarm	Scale
7 4 8	Vertical FNPT - 316L SS - 1 Horizontal FNPT - 316L SS - 2 Vertical Flange - 150# - 3 Vertical Flange - 300# - 4 Horizontal Flange - 150# - 5 Horizontal Flange - 300# - 6 Vertical FNPT-PVC - 7 (not for air service)	316L SS - 2 Hastelloy® C-276 - 4	EPR - 1 Buna-N - 2 Viton® - 3 Kalrez® - 4	See Specification * Only use this 4th box with order numbers 610 thru 613. Otherwise leave blank.	Check Specifications for availability Without Alarm - 0 With Alarm - 1	Water GPM - W Air SCFM - A Non Standard - N