

7750 Series

These 316L Stainless Steel meters feature flange connections, all welded construction (no elastomers), and an end to end length of 250mm. A float and tapered tube design provides longer, more linear scales. A 4-20mA transmitter option adds to its versatility.



Description

Overall Length

250 Millimeters

Metering Tube

316L Stainless Steel

Internal Components

316L Stainless Steel

Inlet/Outlet Fittings

150# or 300# Flange, Vertical

Elastomers

All Welded Construction, No O-rings or Gaskets

Indicator Housing

304 Stainless Steel

Flange Material

316L Stainless Steel

Scale

120 mm

Direct reading, detachable



Options

Alarm

Single or Dual, Inductive Slot Sensor 4-20 mA Transmitter

Certified Calibrations

Conform to ISA RP 16.6

Scales

Can be produced in any volumetric unit

Performance

Capacities

33 GPH to 16.5 GPM — Water
2.2 SCFM to 76 SCFM — Air

Scale

120 mm

Direct reading, detachable

Accuracy

± 3% of Full Scale Flow

Turndown

10:1

Repeatability

1 %

Max Pressure

Stainless Steel Flange Class

Temp F	150#	300#
200°	225 psi	600 psi
300°	200 psi	540 psi
400°	180 psi	515 psi

Max Temperature

400° F (204° C)

Ambient Temperature

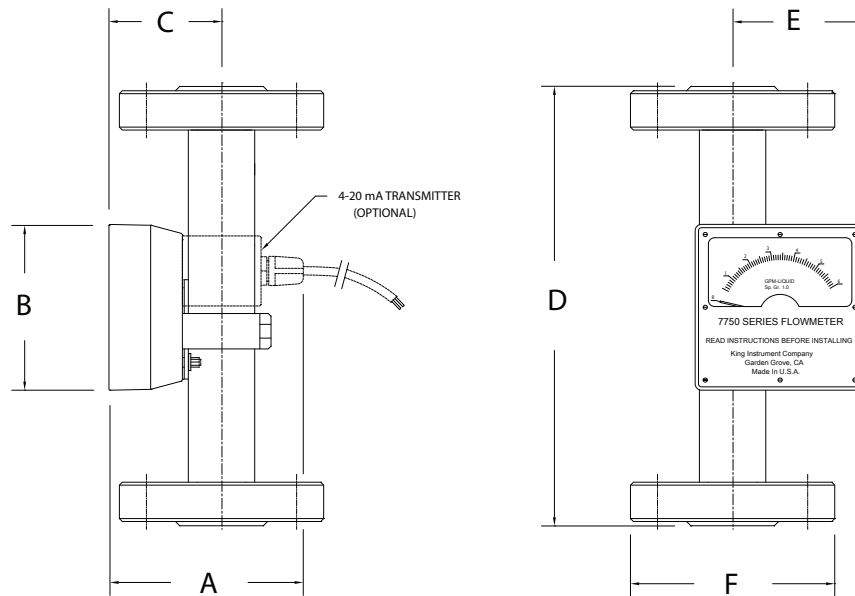
33° F to 125° F (1° C to 52° C)

7750 Series Specifications:

Stainless Steel Tube

Order Number	Full Scale Flow GPM-Water	Meter Size	Dimension (Inches)					150 # Flange	300 # Flange
			A	B	C	D	E	F	F
706	33.0 GPH	1/2"	5.82	4.90	2.91	9.84	3.83	3.50	3.75
708	1.1 GPM	1/2"	5.82	4.90	2.91	9.84	3.83	3.50	3.75
710	2.0 GPM	1/2"	5.82	4.90	2.91	9.84	3.83	3.50	3.75
712	4.0 GPM	1/2"	5.82	4.90	2.91	9.84	3.83	3.50	3.75
716	5.0 GPM	1"	5.82	4.90	3.25	9.84	3.95	4.25	4.90
718	10.0 GPM	1"	5.82	4.90	3.25	9.84	3.95	4.25	4.90
720	16.5 GPM	1"	5.82	4.90	3.25	9.84	3.95	4.25	4.90

Order Number	Full Scale Flow SCFM - AIR	Meter Size	Dimension (Inches)					150 # Flange	300 # Flange
			A	B	C	D	E	F	F
705	2.2 SCFM	1/2"	5.82	4.90	2.91	9.84	3.83	3.50	3.75
707	4 SCFM	1/2"	5.82	4.90	2.91	9.84	3.83	3.50	3.75
709	8 SCFM	1/2"	5.82	4.90	2.91	9.84	3.83	3.50	3.75
711	16.5 SCFM	1/2"	5.82	4.90	2.91	9.84	3.83	3.50	3.75
715	20 SCFM	1"	5.82	4.90	3.25	9.84	3.95	4.25	4.90
717	42 SCFM	1"	5.82	4.90	3.25	9.84	3.95	4.25	4.90
719	76 SCFM	1"	5.82	4.90	3.25	9.84	3.95	4.25	4.90



Ordering:

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

Meter Series	Connection Type	Float Material	O-Ring Material	Optional Alarm/Transmitter	Order Number
7 7 5	150# R.F. Flanged - 2 300# R.F. Flanged - 3	316L SS - 2	No O-ring - 0	None - 0 With Transmitter - T One Alarm (Inductive Slot Sensor) - A Two Alarms (inductive Slot Sensor) - D	Specification Table above

Example: 775 - 2 - 2 - 0 - 0 - 716