Model 100, 110, S-110 & S-113

TURBINE CE

Higher Flow Configuration

100

S-110

S-113

110

- ***Our most affordable gas flow sensors and meters***
- ***Work well with mixed gases***
- ***Advanced turbine design maintains excellent accuracy and repeatability***
- ***Several configurations***

For OEM or laboratory applications, where an affordable flow sensor needs to be installed, the Model 100 is an excellent choice. Its time-proven turbine design will keep measuring accurately for years with little or no maintenance. It features a 0-5VDC output standard. **A power adapter or cable assembly (below) is required for operation.**

The Model 110 Flo-Meters are great for laboratory benchtop gas applications. An integrated 3½ digit flow rate display informs the user of actual flow, and the 0-5VDC output can be interfaced to a data acquisition system. **A power adapter (USA unless specified) is included for plug-and-go operation.**

The Model S-110 and S-113 Flo-Meters have a wide variety of uses. They too incorporate an LCD, 3½ digit display of flow rate, but can be less expensive than the Model 110. The S-110 has a plastic body with acetal fittings, and the S-113 is constructed from brass & includes brass fittings. **A power adapter or cable assembly (below) is required.**

Wetted Parts: Ryton®, acetal, sapphire, glass, epoxy, Viton® O-rings standard. EPDM O-rings available - use suffix "Q". The Model S-113 also contains brass.

Dimensions, (excluding fittings): *Model 100:* 2.35"x1.65"x1.50" *Model S-110, S-113:* 1.88"x3.00"x1.75"
Model 110: 5.00"x4.50"x5.00" ***Call for dimensions on units over 5 L/minute.***

100	110	S-110	S-113	Standard Flow Range	"C" Flow Range	Max. Pressure Drop	Standard Fittings
100-3	110-3	S-110-3	S-113-3	20-100 mL/minute	0.04-0.2 SCFH	20" water	1/8" tube
100-4	110-4	S-110-4	S-113-4	40-200 mL/minute	0.1-0.5 SCFH	8" water	1/8" tube
100-5	110-5	S-110-5	S-113-5	100-500 mL/minute	0.2-1.0 SCFH	2" water	1/8" tube
100-6	110-6	S-110-6	S-113-6	200-1000 mL/minute	0.4-2.0 SCFH	2" water	1/8" tube
100-7	110-7	S-110-7	S-113-7	0.4-2.0 L/minute	1.0-5.0 SCFH	2" water	1/4" tube
100-8	110-8	S-110-8	S-113-8	1.0-5.0 L/minute	2.0-10.0 SCFH	2" water	1/4" tube
100-9	110-9	S-110-9	S-113-9	2.0-10.0 L/minute	4.0-20.0 SCFH	3" water	1/4" tube
100-10	110-10	S-110-10	…	4.0-20.0 L/minute	10-50 SCFH	3" water	3/8" tube
100-11	110-11	S-110-11	…	10-50 L/minute	20-100 SCFH	3" water	3/8" tube
100-12	110-12	S-110-12	…	20-100 L/minute	40-200 SCFH	3" water	1/2" tube
100-13	110-13	S-110-13	…	40-200 L/minute	100-500 SCFH	5" water	1/2" tube
100-14	110-14	S-110-14	…	100-500 L/minute	200-1000 SCFH	20" water	1/2" tube

NIST Calibration Certificate is optional at an added cost.

All units calibrated for air unless specified; certain unusual gases or blends may incur added costs. Call for details.
Standard units calibrated for mL or L/minute; units with "C" suffix calibrated for SCFH (i.e., a Model 100-5*C* for 0.2-1.0 SCFH)

See detailed specifications on page 23.

Options and Accessories

100-17 Cable Assembly - 3 foot long cable terminated with pigtail leads. Includes all cables for input/output.
S-PS-08 - 115VAC (USA) power adapter and output leads. Order **S-PS-18** for 230VAC (European) applications.
Displays - See pages 21-22 for our full line of displays. These displays are compatible with the Model 100:
Model 210R: Flow rate display
Model 250: Multi-function; batch, programmable, alarms, etc.

Viton -- Reg TM E.I. DuPont de Nemours Co. Ryton -- Reg TM Phillips 66 Petroleum Co.