

FLOWMETER Series 7965

The Series 7965 flowmeters use 65mm Tube-Cubes® with a single float. They are calibrated to read directly in SCCM, SLPM or SCFH of air. Correction factors are available for a number of common gases. The Series 7965 flowmeters are available in chrome plated brass or stainless steel.

SPECIFICATIONS

Maximum Inlet Pressure: 250 psig

Temperature Range: -20° to +250°F

Valve: Standard or high accuracy needle valve

Dimensions: 1 1/4"W x 5 1/2"H x 2 3/4"D

Accuracy: ±5% full scale

Repeatability: ±0.25% of scale reading

Inlet and Outlet: 1/8" NPT female

FRAME WITH VALVE

Model	Material
7965B*	Chrome plated brass with standard valve
7965BHA*	Chrome plated brass with high accuracy valve
7965S*	316 Stainless Steel with standard valve
7965SHA*	316 Stainless Steel with high accuracy valve

*Select flow tube from table on right.

HOW TO ORDER

Model – X – Y

X=tube required

Y=optional fittings

Example: 7965B-J805-P4FF

Options:

- 1/4" NPT female inlet & outlet"
- 1/4" hose barbs inlet and outlet - add suffix "4HB"
- 1/4" compression tube fittings inlet and outlet
- 1/8" compression tube fittings inlet and outlet

P/N Suffix:

P4FF
4HB
T4FF
T2FF

Bench stand - Model 7920B

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65MM TUBE CUBE SELECTION

Tube Number	Float Material	Flow Range*†
J07G	glass	0.6 – 6 sccm
J07ST	SS	2 – 17 sccm
J15G	glass	5 – 49 sccm
J15S	sapphire	7 – 72 sccm
J009	glass	10 – 130 sccm
J010	SS	30 – 300 sccm
J109	glass	50 – 500 sccm
J110	SS	100 – 1000 sccm
J703 (formerly 1B)	glass	0.05 – 0.5 slpm
J704	glass	0.1 – 1 slpm
J705 (formerly 2B)	SS	0.2 – 2 slpm
J802 (formerly 3B)	glass	0.5 – 6 slpm
J803 (formerly 4B)	SS	1 – 10 slpm
J854 (formerly 5B)	glass	2 – 25 slpm
J853	SS	4 – 40 slpm
J706	glass	0.1 – 1.2 SCFH
J707	glass	0.2 – 2 SCFH
J708	SS	0.5 – 5 SCFH
J755	SS	1 – 10 SCFH
J805	SS	2 – 20 SCFH
J859	glass	5 – 50 SCFH
J513	SS	10 – 100 SCFH
J514	carboly	10 – 150 SCFH

*Other ranges available.

†All calibrations are for air @ 0 psig outlet and 70°F.