150 mm High Resolution Gas Flowmeters

Description: Our high-resolution flowmeters permit measurement of a wide range of gases and fluids under a variety of pressure and temperature conditions. Simply refer to the calibration curve to interpret the flow reading for your specific gas.

The brass and stainless steel units feature a 1.5 focal power magnifying front cover for more accurate tube reading. High-resolution models feature 16-turn valve for precise control. Choose our standard-valve flowmeter when precise control is not required (see our standard resolution models).

These flowmeters contain dual floats – each constructed of a different material – which provide a 20:1 readout range, versus the industry standard of 10:1.

Each flowmeter is equipped with two panel-mount retaining nuts to simplify industrial panel mounting. An optional tripod base is available for easy bench setup in laboratory applications. Pipe-to-tubing or pipe-to-hose adapters are also available.

150 mm Details: Because of its superior resolution, the 150 mm flow tubes are recommended for laboratory applications. Accuracy is ±2% full scale with ±.25% repeatability. The elongated scale permits critical flows to be gauged more accurately and read more easily.

Conversion charts for air, argon, carbon dioxide, helium, hydrogen, nitrogen, and oxygen are supplied with each unit.

Available Options

Product Number	Description
Y29-TP1	Tripod base
Y99-26190	Brass Adapter – 1/8" MNPT x 1/4" Hose Barb
Y99-26110	Brass Adapter – 1/8" MNPT x 1/4" Compression
Y99-26490	Stainless Steel Adapter – 1/8" MNPT x 1/4" Hose Barb
Y99-26410	Stainless Steel Adapter – 1/8" MNPT x 1/4" Compression

150 mm High Resolution Gas Flowmeters Cont.

Ordering Information

Product Number	Max Pressure (psig)	Inlet/Outlet	Float Material	Frame Material	Max Flow Rate * Air ccm	Max Flow Rate * Air scfh
Y21-B1500HA	200	⅛" FNPT	Glass/Stainless Steel	Brass	19/61	0.04/0.128
Y21-B1501HA	200	⅛" FNPT	Glass/Stainless Steel	Brass	47/138	0.098/0.293
Y21-B1501AHA	200	⅛" FNPT	Glass/Stainless Steel	Brass	92/264	0.195/0.559
Y21-B1502HA	200	⅛" FNPT	Glass/Stainless Steel	Brass	374/814	0.792/1.725
Y21-B1502AHA	200	⅛" FNPT	Glass/Stainless Steel	Brass	844/1682	1.748/3.564
Y21-B1503HA	200	⅛" FNPT	Glass/Stainless Steel	Brass	2313/4562	4.9/9.67
Y21-B1503AHA	200	⅛" FNPT	Glass/Stainless Steel	Brass	3922/7825	8.07/16.58
Y21-B1504HA	200	⅛" FNPT	Glass/Stainless Steel	Brass	8555/16493	18.12/34.94
Y21-B1505HA	200	⅛" FNPT	Glass/Stainless Steel	Brass	23105/42860	48.95/90.8
Y21-41500HA	200	⅛" FNPT	Glass/Stainless Steel	Stainless Steel	19/61	0.04/0.128
Y21-41501HA	200	⅛" FNPT	Glass/Stainless Steel	Stainless Steel	47/138	0.098/0.293
Y21-41501AHA	200	⅛" FNPT	Glass/Stainless Steel	Stainless Steel	92/264	0.195/0.559
Y21-41502HA	200	⅛" FNPT	Glass/Stainless Steel	Stainless Steel	374/814	0.792/1.725
Y21-41502AHA	200	⅛" FNPT	Glass/Stainless Steel	Stainless Steel	844/1682	1.748/3.564
Y21-41503HA	200	⅛" FNPT	Glass/Stainless Steel	Stainless Steel	2313/4562	4.9/9.67
Y21-41503AHA	200	⅛" FNPT	Glass/Stainless Steel	Stainless Steel	3922/7825	8.07/16.58
Y21-41504HA	200	⅛" FNPT	Glass/Stainless Steel	Stainless Steel	8555/16493	18.12/34.94
Y21-41505HA	200	⅛" FNPT	Glass/Stainless Steel	Stainless Steel	23105/42860	48.95/90.8

* Minimum flow rate is approximately 10% of maximum figure