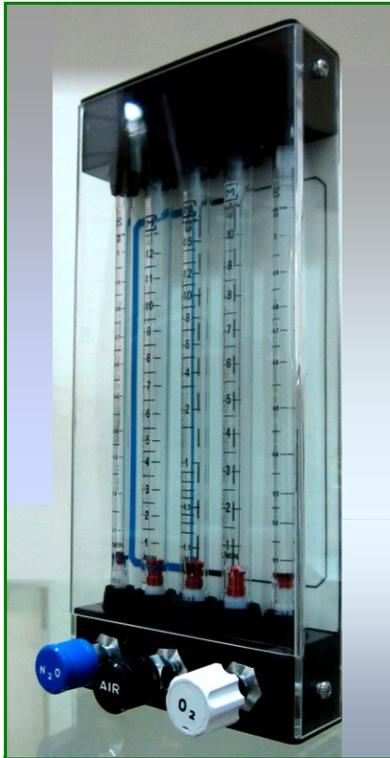


Anaesthetic flowmeters with or without antihypoxia device



2- tube flowmeter with AHD



2- tube flowmeter
Oxygen+N₂O



1- tube Oxygen
flowmeter

All flowtubes comply to accuracy and antistatic requirements of ISO 5358.

Also available flowmeters for veterinary application, and BPC.

Anaesthetic flowmeters are available in 1 - 5 tubes versions. The flowmeters (2-5 tube versions) can be supplied with or without Anti Hypoxia Device.

The housings are made from Aluminum and fitted with fine adjustment valves for easy control of the anaesthetic gases. The front cover is made from moulded acrylic. The devices have a phosphorescent "glow in the dark" (normally white) background for easy reading even in case of sudden darkness.

The knobs are made from finest quality ABS. The Oxygen knob has a touch coded profile and all the knobs are colour coded as per ISO 5358 requirements.

Internal gas connections are made using polyurethane tubes and Festo type connections. A non return valve in the downstream of the AHD ensures no flow of N₂O in the respiratory circuit in the event of single fault condition when Oxygen line gets blocked.

Various options of inlet and outlet connections are available as given below :

INLET CONN	Option-1	Option-2	Option-3
Oxygen	1/8 BSP	7/16 UNF	Festo 6mm
N ₂ O	1/8 BSP	½ UNF	Festo 4mm
Air	¼ BSP	¼ BSP	Festo 6mm
OUTLET CONN	Option-1	Option-1	Option-3
Mixed gas	23mm Cagemount taper	Festo 10mm	Festo 8mm

The floats in the flowtubes are rotating in design and made from high quality aluminium alloy which resists deformation even under most severe use. This ensures a long life and error free service throughout, and do not need frequent recalibration. The floats are anodized red with a silver spot which enables to see the rotation of the float to indicate the gas flow.

The anti-hypoxia devices are pneumatic design, and ensure that the Oxygen in the mixed gas never goes below a specified limit. This minimum limit can be set between 25% and 30 %, as desired by the OEM. This device is normally mounted at the rear of the unit and can be provided with longer tubing should you like to mount the AHD unit elsewhere.

The flowtubes of various ranges are available. Please see the [flowtube](#) section for the available ranges and selection of flowtubes. Customised flowtubes are also available.

- The 2-tube version has 1no. Oxygen and 1 no. N₂O tube. Both the tubes have "dual scale" which means, both the tubes start from 0.1 LPM and the range of 0.1 to 1 LPM is expanded for easy reading.
- The 4 tube version has 2 nos. Oxygen flowtubes- one with high flow range and the other has a low flow range (0.1-1LPM). Similarly, it has 2 nos. N₂O tubes, one has high flow and other has a low flow range.
- The 5-tube version is same as 4-tube but has an additional air flowtube.

Only [antistatic](#) coated flow tubes are used in the flowmeters. The sealing bushes are made from antistatic material as well in order to provide discharge path for the accumulated static.

Each of the units is calibrated for the N₂O/Oxygen ratio and thoroughly inspected in the assembly line for performance. The flowmeters generally conform to the requirements of ISO 5358 requirements.

Calibration: We can provide calibration certificate (batch or individual) with national traceability with our flowmeters if required. We also provide calibration services and calibrate flowmeters of any make.



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