

MiniAir6/64 Anemometer Intrinsically Safe Version



The MiniAir 6/64 is an intrinsically safe (Atex approved) airflow sensor, which is ideal for monitoring airflows in ducts, fume cupboards, flumes and chimneys, which are classified as hazardous areas. Sensors are suitable for use up to 140 deg C continuously. The sensor is supplied with 20 metres of cable which connects to a signal conditioning unit, with an integral zener barrier. The signal conditioning unit provides either a 0-2v or 4-20mA signal. The signal conditioning unit is installed in the safe area. The MiniAir6/64 like other MiniAir models features the unique Snap Head on types Micro and Mini, providing on-site serviceability, thus making it ideal for continual measuring.

In anemometry, the accuracy achieved by a vane probe is acknowledged to be unmatched. The vane rotation is closely linear to flow velocity and is unaffected by pressure, temperature, density and humidity.

Units are available for class I and class II applications, certified for use in zone 0, 1 , and 2

Air probe	MiniAir6/64 Micro	MiniAir6/64 Mini	MiniAir6/64 Macro
Type 20 m/s range	0.5 - 20 m/s	0.3 - 20 m/s	0.15 - 20 m/s
Type 40 m/s range	0.7 - 40 m/s	0.5 - 40 m/s	n/a
Accuracy	+/- 1.0% fs plus +/- 3.0% rdg	+/- 0.5% fs plus +/- 1.5% rdg	+/- 0.5% fs plus +/- 1.5% rdg
Operating temp. (probe)	-10 to +140 °C	-10 to +140 °C	-10 to +140 °C
Operating temp. (electronics)	-10 to +80 °C	-10 to +80 °C	-10 to +80 °C
Power required (external)	9 - 26 V DC	9 - 26 V DC	9 - 26 V DC
Output signal	0 - 2.0 V/4-20mA	0 - 2.0 V/4-20mA	0 - 2.0 V/4-20mA
Load	>10 kOhm	>10 kOhm	>10 kOhm
Head dimensions	ø 11 x 15 mm	ø 22 x 28 mm	ø 80 x 70 mm
Probe length	165 mm	175 mm	225 mm
Cable length	20 metres	20 metres	20 metres