

Schiltknecht

swiss precision

MiniAir[®]60

Probe anemometer

The self-contained anemometer probe MiniAir60 measures the velocity, gaseous media and liquid, directly giving out a linear **frequency signal**.

Accuracy and reliability are of the high standard expected from Schiltknecht.

Types:

- MiniAir60 Micro 20 m/s
- MiniAir60 Micro 40 m/s
- MiniWater60 Micro 5 m/s

- MiniAir60 Mini 20 m/s
- MiniAir60 Mini 40 m/s
- MiniWater60 Mini 5 m/s

- MiniAir60 Macro 20 m/s



Macro

Mini

Micro



SSSS
Schweizerischer Kalibrierdienst
Service suisse d'étalonnage
Servizio Svizzero di taratura
Swiss Calibration Service

SCS 046



The probe anemometer MiniAir/Water60 measures the velocity of gaseous or liquid media. 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.

The MiniAir60 is interesting for any technician involved in flow and its automated measurement. Be it in heating, ventilation, air conditioning (HVAC) or other fields, air flow besides temp. and humidity is the most measured parameter.

MiniAir[®]60

Probe Anemometer

The MiniAir60 like other MiniAir models features the unique Snap Head on types Micro, Mini and Macro, providing on-site serviceability, thus making it ideal for continual measuring. The applicability of MiniAir60 in industry and elsewhere is almost unlimited.

	MiniAir60 Micro	MiniAir60 Mini	MiniAir60 Macro
Measuring range	0.6 - 20 m/s	0.4 - 20 m/s	0.2 - 20 m/s
or	0.7 - 40 m/s	0.5 - 40 m/s	
Accuracy +/-	± 1.0 % fs, ± 3.0 % rdg	± 1.0 % fs, ± 1.5 % rdg	± 1.0 % fs, ± 1.5 % rdg
Operating temp.	-10 to +80 °C	-10 to +80 °C	-10 to +80 °C
Power req. (external)	4.5 - 5.5 V DC	4.5 - 5.5 V DC	4.5 - 5.5 V DC
Current at 5 V DC	0.5 mA	0.5 mA	0.5 mA
Output frequency	0 - 2.9 kHz (20 m/s) 0 - 2.8 kHz (40 m/s)	0 - 1.8 kHz (20 m/s) 0 - 1.7 kHz (40 m/s)	0 - 960 Hz (20 m/s)
Output format	pulse	pulse	pulse
at 5 V DC w.o. load	0 - 4 V	0 - 4 V	0 - 4 V
TTL compatible	yes	yes	yes
Head dim.	Ø 11 x 15 mm	Ø 22 x 28 mm	Ø 85 x 80 mm
Access opening	16 mm	35 mm	
Probe length	165 mm	175 mm	225 mm
Cable	5 m	5 m	5 m
Storage temp.	-65 to +150 °C	-65 to +150 °C	-65 to +150 °C

	MiniWater60 Micro	MiniWater60 Mini	
Measuring range	0.04 - 5 m/s	0.02 - 5 m/s	
Accuracy	± 2.0 % fs ± 3.5 % rdg	± 2.0 % fs ± 3.0 % rdg	
Operating temp.	0 to +70 °C	0 to +70 °C	
Power req. (external)	4.5 - 5.5 V DC	4.5 - 5.5 V DC	
Current at 5 V DC	0.5 mA	0.5 mA	
Output frequency	0 - 760 Hz	0 - 460 Hz	
Output format	pulse	pulse	
at 5 V DC w.o. load	0 - 4 V	0 - 4 V	
TTL compatible	yes	yes	
Head dim.	Ø 11 x 15 mm	Ø 22 x 28 mm	
Access opening	16 mm	35 mm	
Probe length	165 mm	175 mm	
Cable	5 m	5 m	
Storage temp.	-65 to +150 °C	-65 to +150 °C	

Snap Head replacement by orig. size and range of given probe. Specifications subject to change without notice. Special models to customer specification.