



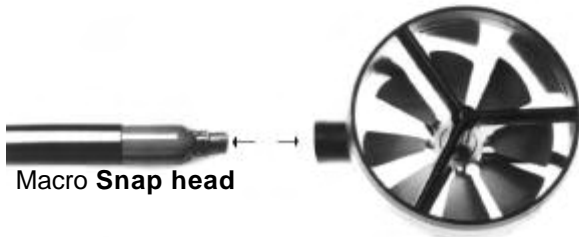
all probes interchangeable



Micro Snap head



Mini Steel Probe



Macro Snap head



Humidity-/Temperature Probe

MiniAir[®]20

Multiprobe Anemometer

The universal MiniAir20 measures the velocity of gaseous and liquid media, temperature, relative humidity and revolutions. Accuracy and reliability are of the high standard expected from Schiltknecht Messtechnik AG.

- All MiniAir20 probes can be used
- Automatic probe recognition
- Easy handling, convenient keys
- Mean-, Minimal- and Maximal values
- Free selectable measurement time from 2s to 2h
- Analogue output 0-1 V
- Mini2Logger output
- Snap head principle features on-site serviceability

Types:

- Indication unit MiniAir20
- Probe Micro (Æ 11x15 mm)
- Probe Mini (Æ 22x28 mm)
- Probe Macro (Æ 85x80 mm)
- Universal temperature probe
- Air temperature probe
- Surface temperature probe
- High temperature probe
- Humidity-/Temperature probe
- Revolutions probe
- Insertion device 4bar
- Insertion device 20bar
- Volume measurement system Micro
- Volume measurement system Mini



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

SCS 046



The vane anemometer MiniAir20 measures the velocity

Air Probe of stainless steel	MiniAir20 Mini up to 140°C Steel	MiniAir20 Mini up to 250°C Steel	
Measuring range Flow	0.3 - 20 m/s 0.5 - 40 m/s	0.3 - 20 m/s 0.5 - 40 m/s	
Flow accuracy	0.5% fs 1.5% rdg	0.5% fs 1.5% rdg	
Measuring range Temp. Accuracy Operating temperature	-20 to +140°C +/- 0.5°C -30 to +140°C	--- --- -30 to +250°C Evaluation box up to 65°C	
Head dimension Access opening Length of probe Length of cable	Ø 22 x 28 mm 35 mm 182 mm 1.5 m	Ø 22 x 28 mm 35 mm 182 mm 2.0 m (250°C) 1.5 m from Box	
Storage temperature	-65 to +150°C	-65 to +250°C (Box and Cable up to 65°C)	

Water Probe	MiniWater20 Micro	MiniWater20 Mini	
Measuring range Flow	0.04 - 5 m/s 0.05 - 10 m/s	0.02 - 5 m/s 0.03 - 10 m/s	
Flow accuracy	2.0% fs 3.0% rdg	2.0% fs 3.0% rdg	
Measuring range Temp. Accuracy Operating temperature	0 to +70°C +/- 0.5°C -30 to +70°C	0 to +70°C +/- 0.5°C -30 to +70°C	
Head dimension Access opening Length of probe Length of cable Storage temperature	Ø 11 x 15 mm 16 mm 165 mm 5 m -65 to +150°C	Ø 22 x 28 mm 35 mm 175 mm 5 m -65 to +150°C	

Temperature Probes	Universal temperature probe	Air temperature probe	Surface temperature probe
Measuring range	-20 to +140°C	-20 to +140°C	-20 to +140°C
Resolution	0.1°C	0.1°C	0.1°C
Accuracy	at 0 - 70°C 0.2°C outside 0.5°C	at 0 - 70°C 0.2°C outside 0.5°C	at 0 - 70°C 0.2°C outside 0.5°C
Operating temperature	-30 to +140°C	-30 to +140°C	-30 to +140°C
Head dimension Shaft Access opening Length of probe Length of cable Storage temperature	Ø 3 x 100 mm Ø 10 x 80 mm Ø 4 mm 180 mm 1.5 m -65 to +150°C	Ø 3 x 100 mm Ø 10 x 80 mm Ø 5 mm 180 mm 1.5 m -65 to +150°C	Ø 3 x 100 mm Ø 10 x 80 mm 180 mm 1.5 m -65 to +150°C

Temperature, Humidity and Revolutions Probes	Universal high temperature probe	Humidity and temperature probe	Revolutions probe
Measuring range	-20 to +600°C	0 to 99.9% RH	0 to 9'999 rpm
Resolution	1°C		
Accuracy	at 0-70°C 0.5°C outside 1.0°C		
Calibration accuracy		+/-1.5%rh at 10 - 95%rh	
Reproducibility		0.5%rh	
Temperature range		-10 to +60°C	
Calibration accuracy		+/-0.35°C at -10 - +50°C	
Reproducibility		0.1°C	
Operating temperature	-30 to +600°C	-20 to +60°C	0 to +60°C
Head dimension	Ø 3 x 230 mm	Ø 22 x 32 mm	Ø 13x40/45 mm
Shaft dimension	Ø ca. 22 mm	Ø 25 mm	Ø 15 x 120 mm
Access opening	Ø 4 mm	Ø 26 mm	Ø 14 mm
Length of probe	350 mm	195 mm	180 mm
Length of cable	1.8 m	1.8 m	1.5 m
Storage temperature	-65 to +150°C	-65 to +150°C	-65 to +150°C

Volume measuring system for water	Volume measuring system 4bar for MiniWater20	Volume measuring system 20bar for MiniWater20	
Measuring range	0.04 to 5 m/s	0.04 to 5 m/s	
Accuracy	0.5% fs 1.5% rdg	0.5% fs 1.5% rdg	
Operating temperature	-10 to +95°C	-10 to +200°C	
Length	288 mm	560 mm	
Insertion length	200 mm	360 mm	
Pressure-resistant up to	4 bar	20 bar	
Tube size	G ¾" - max. 200 mm	G ¾" - max. 200 mm	
Clear insertion width for probe	min. Ø 15.75 mm	min. Ø 15.75 mm	
Connection thread	G ¾" for ball valve	G ¾" for ball valve	
Length of cable	5.0 m	2.0 m (200°C) 1.5 m from Box (65°C)	
Storage temperature	-65 to +150°C	-65°C to +200°C (Box and Cable up to 65°C)	

Volume measuring system for air	Volume measuring system Micro (PSU)	Volume measuring system Mini (Steel)	
Measuring Range	0.4 to 40 l/min. 1.0 to 100 l/min.	2.5 to 250 l/min. 5.0 to 500 l/min.	
Accuracy	1.0% fs 3.0% rdg	0.5% fs 1.5% rdg	
Operating temperature	-30 to +140°C	-30 to +140°C	
Length	150 mm	300 mm	
Diameter	out Ø 14 mm in Ø 9 mm	out Ø 22 mm in Ø 18 mm	
<u>Hose connector</u> or	Ø hose 14 mm	Ø hose 18 mm	
<u>Threaded connector</u>	G ¼"	G ¾"	
Length of cable	1.5 m	1.5 m	
Storage temperature	-65 to +150°C	-65 to +150°C	

Snap head only replaceable with same range and diameter

Specification subject to change without notice