

# Vane Anemometer MiniAir6 / 60 / 64-Ex

## Signal outputs: Voltage, Frequency or Current

Vane sensors with Ex-Cerification :

BVS 04 ATEX E 195

II 2G Eex ia IIC T6

I M2 Eex ia I

Power Supply / Transmitter (Certificate of Conformity): SEV 08 ATEX 0135

### Technical Data MiniAir6 (with voltage output)



**Micro**

Vane Sensor	MiniAir6 Micro	MiniAir6 Mini	MiniAir6 Macro
Measuring range or	0,5 - 20 m/s 0,7 - 40 m/s	0,3 - 20 m/s 0,5 - 40 m/s	0,15 - 20 m/s
Accuracy	±1,0% FS ±3,0% of rdg	±0,5% FS ±1,5% of rdg	±0,5% FS ±1,5% of rdg
Operating temp.	-30 to +140°C	-30 to +140°C	-30 to +140°C
Snap Head size	Ø 11 x 15 mm	Ø 22 x 28 mm	Ø 85 x 80 mm
Cable length (std)	20 m <sup>1</sup>	20 m <sup>1</sup>	20 m <sup>1</sup>
PS / Transmitter	Located outside Ex-Zones	Located outside Ex-Zones	Located outside Ex-Zones
Supply voltage	9 - 26 VDC	9 - 26 VDC	9 - 26 VDC
Output (voltage)	0 - 2 VDC	0 - 2 VDC	0 - 2 VDC
Operating temp.	0 to +80°C	0 to +80°C	0 to +80°C
Dimensions [mm]	170 x 130 x 45	170 x 130 x 45	170 x 130 x 45
Connections	Screw terminals	Screw terminals	Screw terminals
IP-protection	IP40	IP40	IP40



**Mini**

### Technical Data MiniAir60 (with frequency output)

Vane Sensor	MiniAir60 Micro	MiniAir60 Mini	MiniAir60 Macro
Measuring range or	0,5 - 20 m/s 0,7 - 40 m/s	0,3 - 20 m/s 0,5 - 40 m/s	0,15 - 20 m/s
Accuracy	±1,0% FS ±3,0% of rdg	±0,5% FS ±1,5% of rdg	±0,5% FS ±1,5% of rdg
Operating temp.	-30 to +140°C	-30 to +140°C	-30 to +140°C
Snap Head size	Ø 11 x 15 mm	Ø 22 x 28 mm	Ø 85 x 80 mm
Cable length (std)	20 m <sup>1</sup>	20 m <sup>1</sup>	20 m <sup>1</sup>
PS / Transmitter	Located outside Ex-Zones	Ex-Zones	Located outside Ex-Zones
Supply voltage	9 - 26 VDC	9 - 26 VDC	9 - 26 VDC
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
Output amplitude	Pulse 0 - 4 VDC	Pulse 0 - 4 VDC	Pulse 0 - 4 VDC
Operating temp.	0 to +80°C	0 to +80°C	0 to +80°C
Dimensions [mm]	170 x 130 x 45	170 x 130 x 45	170 x 130 x 45
Connections	Screw terminals	Screw terminals	Screw terminals
IP-protection	IP40	IP40	IP40



**Macro**

### Technical Data MiniAir64 (with current output)

Vane Sensor	MiniAir64 Micro	MiniAir64 Macro	MiniAir64 Macro
Measuring range or	0,5 - 20 m/s 0,7 - 40 m/s	0,3 - 20 m/s 0,5 - 40 m/s	0,15 - 20 m/s
Accuracy	±1,0% FS ±3,0% of rdg	±0,5% FS ±1,5% of rdg	±0,5% FS ±1,5% of rdg
Operating temp.	-30 to +140°C	-30 to +140°C	-30 to +140°C
Snap Head size	Ø 11 x 15 mm	Ø 22 x 28 mm	Ø 85 x 80 mm
Cable length (std)	20 m <sup>1</sup>	20 m <sup>1</sup>	20 m <sup>1</sup>
PS / Transmitter	Located outside Ex-Zones	Located outside Ex-Zones	Located outside Ex-Zones
Supply voltage	9 - 26 VDC	9 - 26 VDC	9 - 26 VDC
Output (current)	4 - 20 mA	4 - 20 mA	4 - 20 mA
Operating temp.	0 to +80°C	0 to +80°C	0 to +80°C
Dimensions [mm]	170 x 130 x 45	170 x 130 x 45	170 x 130 x 45
Connections	Screw terminals	Screw terminals	Screw terminals
IP-protection	IP40	IP40	IP40

[1] other lengths on request

For pricing or any further information, please contact Omni Instruments Ltd.