

EE660

Transmitter for Very Low Air Velocity

The EE660 is designed for highly accurate measurement of very low air velocity. It is the ideal solution for laminar flow control and special ventilation applications for instance in clean rooms.

The E+E thin film sensor used in EE660 operates on the hot film anemometer principle, which stands for excellent accuracy down to 0.15 m/s (30 ft/min) and high insensitivity to pollution.

The measured data is available on the current and voltage outputs (both signals are available on the terminal) as well as on the optional LCD backlight display. The measurement range and the response time can be selected via a jumper.

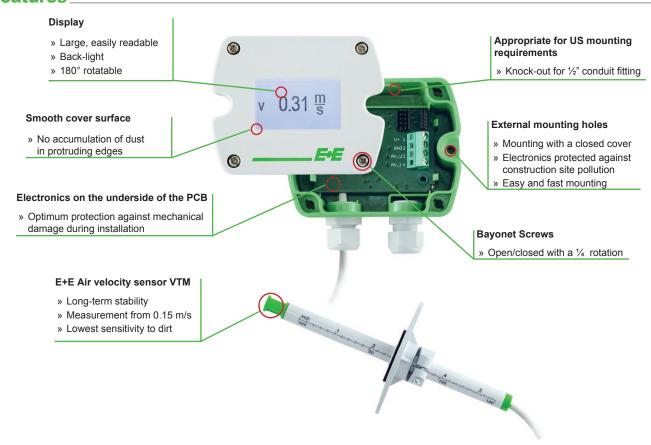
Low angular dependence and the mounting flange enable easy, cost-effective installation.

An optional kit facilitates easy adjustment of EE660 and configuration of the display.





Features

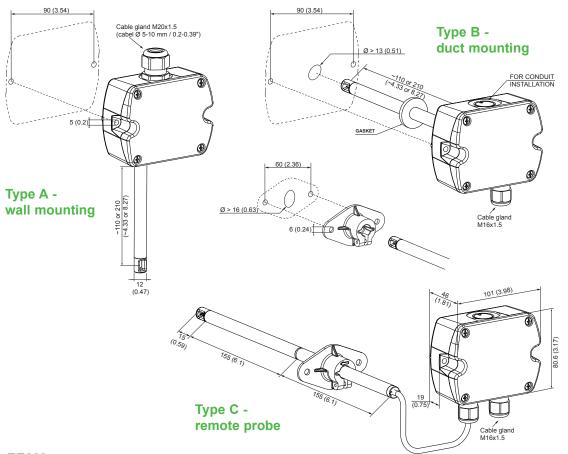


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Technical Data

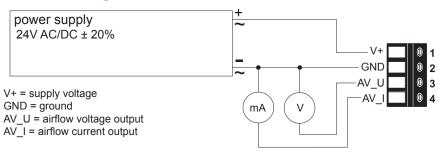
Working range 1)	01 m/s (0200ft/min)				
	01.5 m/s (0300ft/min)				
	02 m/s (0400ft/min)				
Output	0 - 10 V				
01 m/s / 01.5 m/s / 02 m/s					
Accuracy at 20 °C (68 °F),	0.151 m/s (30200 ft/min) \pm (0.04 m/s (7.9 ft/min) + 2 % of mv)				
45 % RH, 1013 hPa	$0.151.5 \text{ m/s}$ (30300 ft/min) \pm (0.05 m/s (9.8 ft/min) + 2 % of mv)				
	0.152 m/s (30400 ft/min) $\pm (0.06 \text{ m/s} (11.8 \text{ ft/min}) + 2 \% \text{ of mv})$				
Response time τ ₉₀ 1) 2)	typ. 4 sec or typ. 1 sec (at constant temperature)				
eneral					
Power supply	24V AC/DC ± 20%				
Current consumption					
for AC supply max. 180 mA rms (with Display), 74 mA rms					
for DC supply	max. 85 mA (with Display), 41 mA (without Display)				
Angular dependence	< 3% of the measured value at $ \Delta\alpha $ < 10°				
Electrical connection	screw terminals max. 1.5 mm ² (AWG 16)				
Cable gland	M16x1.5				
Electromagnetic compatibility	EN61326-1 EN61326-2-3				
	Industrial Environment				
Housing material Polycarbonate, UL94V-0 (with Display UL94HB) approved Protection class Enclosure IP65 / NEMA4, remote probe IP20					
					Temperature range
	working temperature electronic -10 +50 °C (14122°F)				
	storage temperature -30 +60 °C (-22140°F)				
Working range humidity	595 % RH (non-condensing)				

Dimensions mm (inch)





Connection Diagram



Ordering Guide

			EE660-	EE660-	EE660-
	Model	Velocity	V	V	V
	Output	0-10V / 4-20mA	7x	7x	7x
Configuration	Housing		Α	В	С
	Probe length	100 mm	D	D	х
		200 mm	F	F	х
	Cable length	1 m	х	х	В
		2 m	х	х	D
		5 m	х	х	G
		10 m	Х	х	H
		mit Display	D	D	D
		ohne Display	х	х	х
	Unit (Display)¹)	metric [m/s]	М	M	M
		non-metric [ft/min]	N	N	N

¹⁾ Only available with display

Order Example

EE660-V7xBFxx

Model: Velocity Housing: **Duct mounting** Probe length: 200mm

Display: no Display

EE660-V7xCxDD/M

Model: Velocity remote Probe Housing:

Cable length:

with Display metric (m/s) Display:

Scope of Supply _

- EE660 Transmitter according ordering guide
- Cable gland
- Mounting flange (for Type B & C only)
- Mounting kit
- Protection cap
- Operation manual
- Two self-adhesive labels for configuration changes (see user guide at www.epluse.com/relabeling)
- Test report according to DIN EN10204 2.2

Accessories

Product configuration adapter

see data sheet EE-PCA

Product configuration software

EE-PCS (free download: www.epluse.com/EE660)

Power supply adapter

V03 (see data sheet Accessories)

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