



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.

Transmitter for Very Low Air Velocity





Display Appropriate for US mounting » Large, easily readable requirements » Back-light » 180° rotatable » Knock-out for ½" conduit fitting 0.31 문 Smooth cover surface External mounting holes » No accumulation of dust » Mounting with a closed cover in protruding edges » Electronics protected against 0 construction site pollution » Easy and fast mounting Electronics on the underside of the PCB » Optimum protection against mechanical damage during installation **Bayonet Screws** » Open/closed with a ¼ rotation E+E Air velocity sensor VTM » Long-term stability » Measurement from 0.15 m/s » Lowest sensitivity to dirt v1.3 / Modification rights reserved **EE660** 30

Features

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2

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Technical Data

Measuring values

Working range ¹⁾	01 m/s (0200ft/min) 01.5 m/s (0300ft/min) 02 m/s (0400ft/min)			
Output	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			
01 m/s / 01.5 m/s / 02 m/s				
Accuracy at 20 °C (68 °F),				
45 % RH, 1013 hPa	$\begin{array}{llllllllllllllllllllllllllllllllllll$			
Response time $\tau_{90}^{(1)2)}$	typ. 4 sec or typ. 1 sec (at constant temperature)			
General				
Power supply	24V AC/DC ± 20%			
Current consumption				
for AC supply	max. 180 mA rms (with Display), 74 mA rms (without Display)			
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 probe -25 +50 °C (-13122°F)			
	working temperature electronic -10 +50 °C (14122°F)			
	storage temperature -30 +60 °C (-22140°F)			
Working range humidity	595 % RH (non-condensing)			
1) Selectable by jumper				

2) Response time τ_{s_0} is measured from the beginning of a step change of air velocity to the moment of reaching 90% of the step.

Dimensions mm (inch)







Connection Diagram



Ordering Guide

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

1) Only available with display

Order Example _

EE660-V7xBFx	E660-V7xBFxx		
Model:	Velocity		
Housing:	Duct mounting		
Probe length:	200mm		
Display:	no Display		

EE660-V7xCxDD/MModel:VeHousing:rerCable length:2mDisplay:wit

Velocity remote Probe 2m with Display metric (m/s)

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 Product configuration software Power supply adapter see data sheet EE-PCA EE-PCS (free download: www.epluse.com/EE660) V03 (see data sheet Accessories)

