

Features

- High Accuracy
- Working Range 0 to 40 m/s and -40 to 12°C
- Measurement of Air Velocity and Temperature
- Calculation of Volumetric / Flow Rate
- Low Dependence of Angle of Inflow
- Easy Mounting and Maintenance
- Correction for Pressure, Humidity and Media
- Low Flow Cut-off
- SI and US Units Selectable

Applications

- Monitoring Incoming & Output Air (Energy Management) in HVAC Applications
- Filter Monitoring & Laminar Flow Control in Clean Rooms
- Exhaust Systems, Exhaust Hoods & Glove Boxes in the Pharmaceutical, Bio and Semiconductor Industries
- Mass Flow Measurement During Incineration Processes
- Monitoring & Measurement of Compressed Air Systems
- Air Conveying Systems
- Wind Tunnels & Climate Simulators



Wall Mounting



Duct Mounting



Remote Mounting

Specifications

Air Velocity	
Working Range	0 to 2m/s 0 to 10m/s 0 to 40m/s
Accuracy in Air At 25 °C At 45% RH and 1013hpa	0 to 2m/s : ± (0.05m/s + 0.5 of Measuring Value) 0 to 10m/s : ± (0.10m/s + 2 of Measuring Value) 0 to 40m/s : ± (0.20m/s + 2 of Measuring Value)
Dependence	of Angle of Inflow : < 3% for $\alpha < 20^\circ$ of Direction on Inflow : < 3%
Response Time (90%)	< 1.5 to 40s (Configurable)
Temperature	
Working Range	Probe : -40 to 120°C Probe Cable : -40 to 105°C Electronic : -40 to 60°C Electronic with Display : -30 to 60°C
Accuracy At 20°C	± 0.5 °C
Response Time (90%)	10s

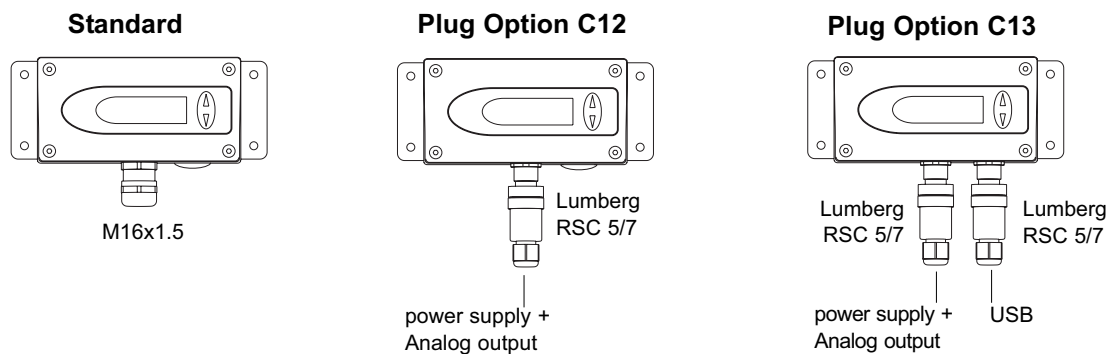
Outputs (Freely Scalable)

Voltage	0 to 10V (e.g: 0 to 5V, 1 to 5V etc.)
Current (3-Wire)	0 to 20 mA (e.g: 4 to 20 mA etc.)
V-Scaling	0 to 2 / 10 / 40 m/s
T-Scaling	-40 to 120°C
Vol - Scaling	0 to 100m ³ /h

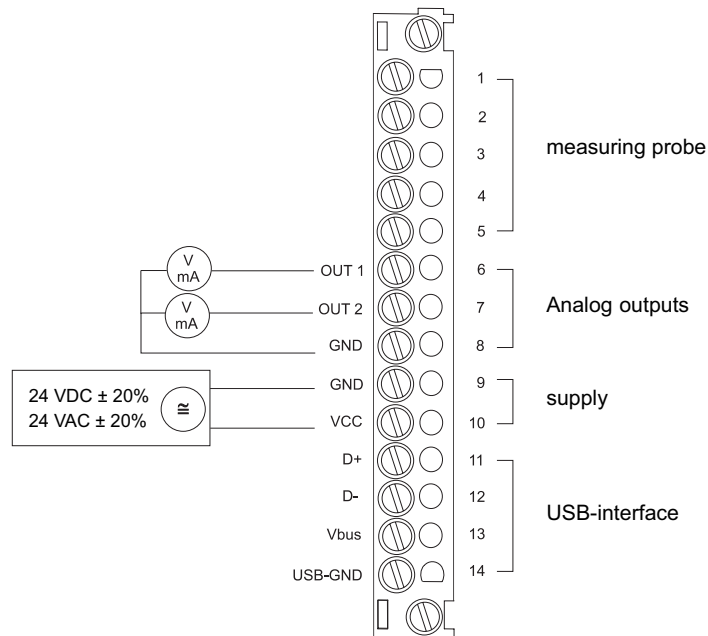
General

Supply Voltage	24V DC/AC \pm 20%
Current Consumption	Max. 100 mA, Max. 160 mA (with Display)
Connection	Screw Terminals Max. 1.5mm ²
Electromagnetic Compatibility	EN 61000-6-3 ICES-003 Class B EN 61000-6-2 FCC Part 15 Class B
Material	Housing / Protection Class : Metal (AlSi3Cu) / IP65 Measuring Probe : Stainless Steel Measuring Head : PBT (Polybutylenterphthalat)
System Requirements for Configuration Software	Windows 2000 or Windows XP
Interface	USB 1.1

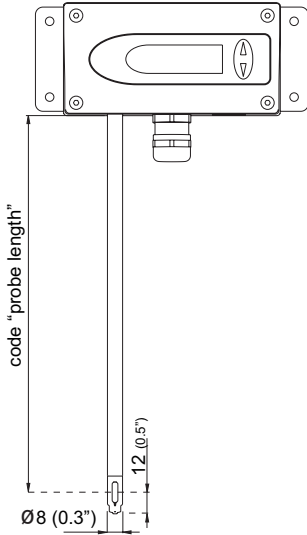
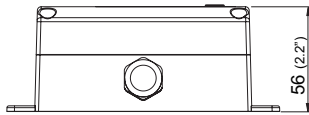
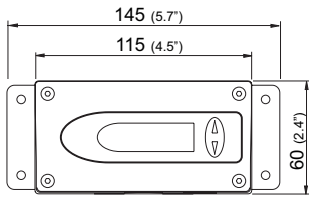
Connection Versions



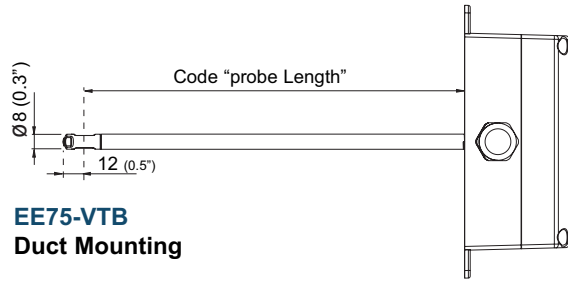
Connection Diagram



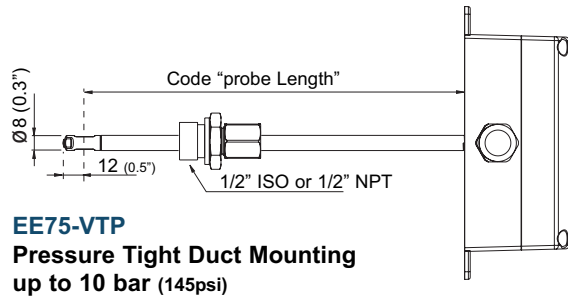
Dimensions



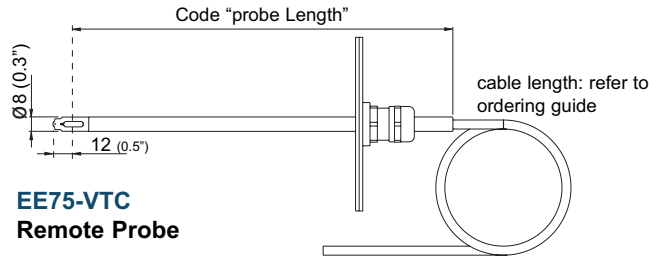
EE75-VTA
Wall Mounting



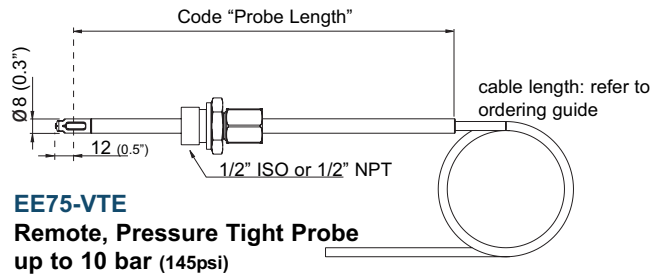
EE75-VTB
Duct Mounting



EE75-VTP
Pressure Tight Duct Mounting
up to 10 bar (145psi)



EE75-VTC
Remote Probe



EE75-VTE
Remote, Pressure Tight Probe
up to 10 bar (145psi)