



DUST SPARES

dust control spare parts for industry

www.dustspares.co.uk 03456 800 696

CODEL ENERGYTECH 304 DUST MONITOR



The EnergyTech 304 is a dust monitor based on tribo-electric technology, it offers a reliable dust measurement at a very competitive price.

TECHNOLOGY

The ET300 uses triboelectric technology as the core measurement technique.

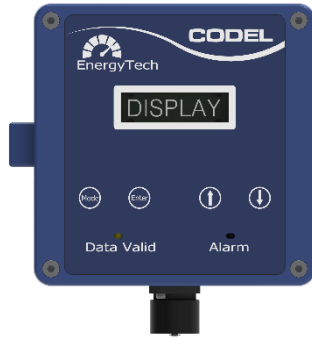
PERFORMANCE

- Response Time:
10 seconds
- Averaging Time:
0.5 to 30 minutes
- Operating Temperature:
-20°C to +55°C
- Humidity Range:
0 to 100% RH
- Storage Temperature Range:
-20 to 75 C
- Pressure Range
80 to 120 Kpa
- Flue Temperature Range:
-20°C to +200°C
- Zero Calibration:
Automate
- Nominal Power Supply:
24V DC
- Nominal Power Consumption:
< 24W

Measurement Specs	
Species	Dust (Particles)
Measurement Principle:	Triboelectric
Measurement Unit (s):	% - mg/m3 - mg/Nm3
Nominal Measurement Range (Typical):	0 to 100 %
Measurement Range (Typical):	0 to 100 % or 0 to 6500.0 mg/m3
Detection Limit	±0.1 %
Zero Drift	±0.5 % orver 24 hours
Measurement Drift	< 1% Per Year
Accuracy:	±0.1 %
Resolution:	±0.01 % or 0.1 mg/m3
Particle size range	0.1 to 100µm
Gain	1 – 1000
Nominal Power Supply:	24V DC
Nominal Power Consumption:	<2.5W
Output	Modbus RTU via RS485

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Construction

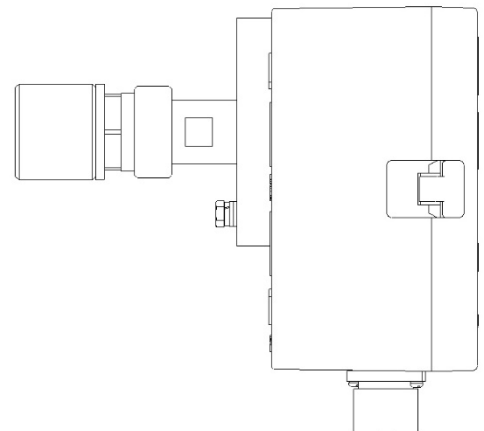
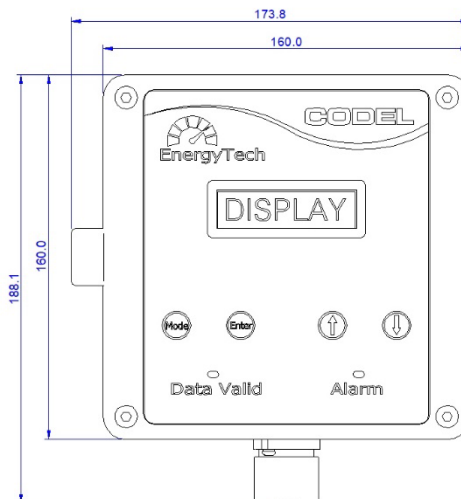
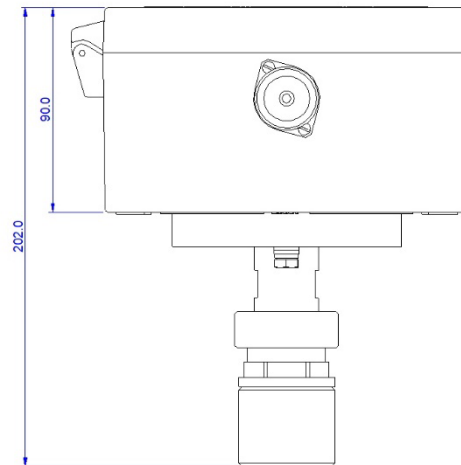


Probe Specs

Material:	Stainless steel bar \varnothing 12mm2 (Grade 316L)
Available lengths:	250, 500, 750, 1000mm (customer requirement)
Probe protection:	insulating sleeve on first 200mm of probe

Enclosure Specs

Material:	Aluminium casting
Colour/Finish:	Epoxy paint finish in Traffic Blue (RAL5010)
Enclosure Rating:	IP66
Weight:	< 5 kg
Outline Dimension:	160 (L) x 160 (H) x 91 (D) (mm)



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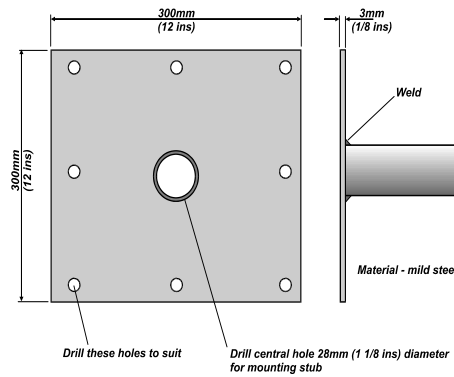
COMPLIANCE

EMC:
 EN 61000-4-2, EN 61000-4-3,
 EN 61000-4-4, EN 61000-4-5,
 EN 61000-4-6, EN 61000-4-8,
 EN 61000-4-11

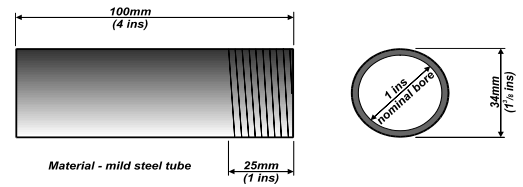
IP:
 IP66
 IK:
 Designed to IK07

Mounting

Mounting Plate for Thin-Walled Stacks



Stack Mounting Stub



INTERFACE
 Display:
 32-character alpha-numeric back-lit 16
 x 2 LCD.
 LED:
 Green (Data Valid) - Red (Alarm).
 RS485 Serial Communication with confi
 gurable protocols (ModBUS RTU)