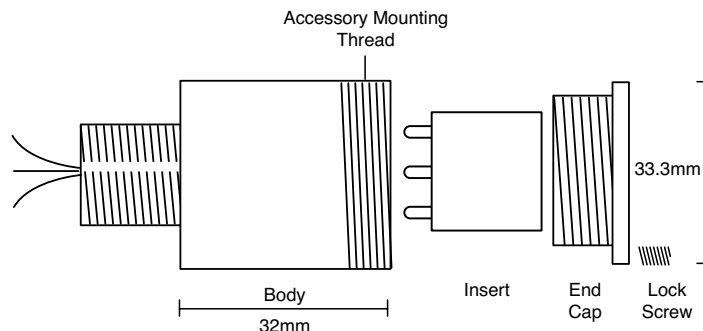


## TECHNICAL SPECIFICATION

|                                       |  |
|---------------------------------------|--|
| <b>Nominal Range</b>                  | 0~100ppm   |
| <b>Max Overload</b>                   | 500ppm   |
| <b>Sensing Principle</b>              | Self powered diffusion limited, metal-air battery (electrochemical)  |
| <b>Replacement sensor insert</b>      | 3 pin device - part No 010-430   |
| <b>Classification</b>                 | EExd IIC T6 (T3, T4, T5 options) 112GD<br>SCS Cert. No. 03ATEX1176X<br>CSA-US-Class 1 Group A B C & D<br>Cert No LR1158631<br>IECEX SIR 06.0016x |
| <b>Housing Material</b>               | Stainless Steel 316-S16  |
| <b>Dimensions</b>                     | Length 32mm. Diameter 33.3mm   |
| <b>Weight</b>                         | 165gms   |
| <b>Cable Exit Mounting Thread (A)</b> | 20mm 1.5 pitch standard<br>25mm 1.5 pitch option<br>$\frac{3}{4}$ NPT – 14 option  |
| <b>Accessory Mounting Thread (B)</b>  | 33.3mm 1.25 pitch  |
| <b>Lock Screen</b>                    | 3mm – 1.5mm key  |
| <b>Housing Components</b>             | Body Ref. 001-002<br>End Cap Ref. 001-003  |
| <b>Ingress Protection</b>             | IP53 + Water Shield IP65   |

## PERFORMANCE DATA

|  |                                  |
|--|----------------------------------|
| <b>Expected Operating Life</b>             | Two years in Air                 |
| <b>Output Signal</b>                       | 0.70± 0.15 $\mu A/ppm$           |
| <b>Resolution</b>                          | 0.1ppm                           |
| <b>Temperature Range</b>                   | -20°C to +50°C – Cell            |
| <b>Pressure Range</b>                      | Atmospheric ± 10%                |
| <b>T90 Response Time</b>                   | <25 seconds                      |
| <b>Relative Humidity Range</b>             | 15 ~ 90% non-condensing          |
| <b>Typical Baseline Range (pure air)</b>   | 0 to +0.4ppm equivalent          |
| <b>Maximum Zero Shift (+20°C to +40°C)</b> | < 0.2ppm equivalent              |
| <b>Long Term Output Drift</b>              | < 2% signal loss/month           |
| <b>Recommended Load Resistor</b>           | 10 $\Omega$                      |
| <b>Repeatability</b>                       | < 2% of signal                   |
| <b>Output Linearity</b>                    | Linear                           |
| <b>Position Sensitivity</b>                | None                             |
| <b>Storage Life</b>                        | Six months in shipping container |
| <b>Recommended Storage Temperature</b>     | 0~20°C                           |



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