Satellite XT
Analogue or digital "Point-of-Use" gas detection transmitter
to detect toxic, corrosive and combustible gases

INTRODUCTION

The most common failure in catalytic sensors is performance degradation caused by exposure to certain poisons. It is therefore essential that any gas monitoring system should not only be calibrated at the time of installation, but also checked regularly and re-calibrated as necessary. Checks must be made using an accurately calibrated standard gas mixture so that the zero and "span" levels can be set correctly on the controller.

Ease of sensor swapping and calibration can also deliver savings. This can be highlighted by the auto recognition "Plug and Play" sensor capabilities of devices which use smart pre-calibrated sensors. These sensors can be taken out into the field and changed over in just one minute.

The XT Series is a product generation designed to meet various gas detection and life safety requirements.

Advantages:
• Fast, reliable, specific gas detection
• Continuous real–time monitoring
• Interchangeable intelligent sensor cell
• No dynamic gas calibration required
• Generic sensor head electronics
• Low cost of ownership
• No moving parts to wear down or replace

TECHNICAL FEATURES

Sensor type: electrochemical
Sensor lifetime: > 1 year (typical)
Voltage: 12 to 24 VDC
Consumption: max 1.8W
Analogue Signal Output: 4-20mA
Relay outputs: 3 x SPST (Single-Pole Single-Throw
• Max. ratings: 250 VAC / 30 VDC, 2A
Graphic display: 122 x 32 dots with backlight
Keypad: 6 touch-sensitive membrane function keys
Physical dimensions LxWxD: 145 x 95 x 50mm (5.7" x 3.7" x 2.0")
Mounting: DIN rail mounting
Weight: 480g (17oz)
Housing Protection Class: IP 52
RFI / EMC: EN 55022 & EN 50082-2
Temperature: -20°C up to +40°C (-4°F up to +104°F)
Humidity: 20 up to 90% r.h.

MONITORED GASES LIST

Ash3 – B2H6 – BBr3 – BCL3 BF3 – Br2
C12H27O4P – C2H3CL3 – C2H4O – C2H8N2
C4H11As – CH6N2 – Cl2 – CLF3 – CLO2
CO – COCL2 – DMA – F2 – GeH4 – H2
H2S – H2Se – H3CLSi – HBr – HCL – HCN
HF – HMDS – N2H4 – NH3 – NO – NO2
O2 – O3 – PH3 – POC13 – SiH6 – SiCL4
SiF4 – SiH2CL2 – SiH4 – SiHCL3 – SO2

With pyrolyzer module:
C4F6 – C5F8 – CH3F – DCE 1.2 – NF3 – SF6