



## MCT 360-Exd

Ex II 2 GD

The gauging solution for potentially explosive atmospheres containing gases or dust



The MCT 360 Exd offers secondary explosive protection...it's construction is such that all it's potential ignition sources are rendered ineffective thereby ensuring it will not itself be the cause of an explosion. Essentially all electronics are contained within a flameproof enclosure that will withstand the explosion pressure if an inflammable mixture is ignited inside. It is rated for Zone 2 areas where the probability the concentration of gas or dust will exceed the lower explosive limit is extremely low, and if it does, the hazardous atmosphere will be short-lived.

The MCT 360 Exd complies with the 94/9/EC Product Directive and conforms with the European Standards EN 50 014, EN 50 018, EN 50 020 and EN 50 281-1-1.

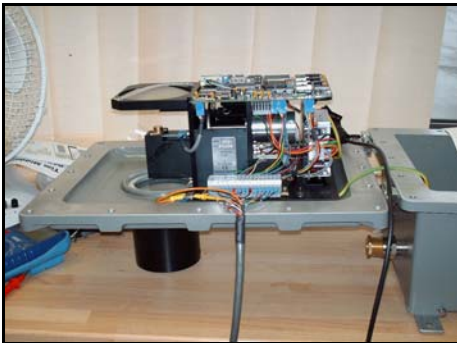
## Description

The MCT 360 Exd enclosure is constructed from cast aluminium. The optical bench, electronics and rail are mounted to a plate in the bottom section of the hinged enclosure which also incorporates a toughened glass viewing window. Power and communications cable entry is via recommended Exd rated gland.

All inputs and outputs need to be specified with the order.

An optional touch screen or standard key pad Operator Interface is available but as this is not rated for zone 2 areas this has to be located in a "safe area".

## Specifications and Photographs



### MCT 360 Exd Gauge

Measured constituents:	1 - 3 simultaneously
Accuracy/Repeatability:	As for the standard MCT 360
Calibration Codes:	50 Standard
Response Time:	1-999 seconds
	3 modes...damping, integration and gated
Sensor-product height:	150-400mm(6-16 inches)
Power:	90-260 VAC 50/60Hz, 40 Watts
Outputs:	Digital and analogs to be customer specified
Weight:	40 Kg
Ambient Temperature:	0-50°C
Enclosure:	Painted Cast aluminium with three ¾" NPT entries and M25 adapters
Dimensions:	452 x 340 x 232 mm (lwh)

### Operator Interface: Wall Mountable Must be installed in a safe area

Display:	Alphanumeric vacuum Fluorescent.
Languages:	English + a selection of others
Power:	From MCT 360 Exd Sensor
Keypad:	Provides user access to MCT 360 Exd settings