

INTRINSICALLY SAFE EXPLOSION PROOF INDICATOR



Equipment for protection systems or components intended for use in potentially explosive atmospheres – Directive 94/9/EC.

Compliance with the essential health and safety is assured by compliance with EN 60079 series and SANS 60079 series

STAINLESS STEEL IP68 WEIGHING INDICATOR - Ex Rated

- Stainless steel enclosure – AISI 304
- IP 68 water protected
- Cable glands are all ATEX certified
- Six-digit red LED display, 20mm height
- Real-time clock/calendar with buffer battery
- Power supply 12-24Vdc \pm 10%, 6W
- Theoretical calibration (via keyboard) and real calibration (with sample weights and the possibility of weight linearization up to 5 points).
- Operating Temperature: -20°C to 60°C

DEFINITIONS of some EX Terms

G	Gas, vapours or Mist
D	“Restricted breathing enclosure” – electrical protection against conductive dust Corresponding to a “dust tight enclosure”
Ila	Propane, acetone, benzene, butane, methane, petrol, hexane, paint solvents
IIB	Ethylene, propylene oxide, ethylene oxide, butadiene, cyclopropane, ethyl ether
IIC	Hydrogen, acetylene, carbon disulphide
T	Temperature

EX – CERTIFIED AS PER BELOW

II 3GD Ex nR [ic] IIC T6 Ex tc {icD} IIIC T72°C -20°C \leq T amb \leq +60°C

Approval:

Mtex Laboratory in South Africa

Ex Rating:	Ex ib Ila T4 Gb / Ex d {ib Ila Gb} Ila Gb
Inspection Authority No.:	MTEEx-S/20.0404
Hazardous Area:	Zone 2/22
Occurrence:	Intermittent and abnormal
Hazardous Gas Group:	Group IIc/IIIC
Permitted Temperature:	T6/96°C (with 33% Safety Factor)
Ambient Temperature:	-20°C to 60°C
Power - Choose Option:	



24 VDC/1 A stabilized power supply – 6watt
 100÷240 VAC input
 Power supply in safe area
 Ground must be less than 1 ohm
 Additional earthing from Weighing Indicator casing to steel structure eg.
 3 m cable length standard cable length



Battery pack made up of 8 NiMH rechargeable elements, 1.2 V, AA type
 Non-removable
 Charge indicator in SAFE AREA

Rechargeable Battery NiMH 2.4V
 Battery present in Weighing Indicator – non removable
 Charge indicator in SAFE AREA
 Operating time: 16 hours