**Intrinsically Safe Digital Multimeter**

3 1/2 digit intrinsically safe TRMS handheld multimeter with 5 measurement functions for demanding, universal applications. Intrinsically safe classification for Coal Mining as well as for Petrochemical Industry.

Measuring functions: VAC TRMS, VDC, AAC, ADC, IAC/DC, Hz, , diode, °C (TC)

Intrinsically Safe: Ex II 2G Ex ib T6/T4 (Petrochemical Industry)
Ex I M2 Ex ib I (Coal Mining)

Display: Illuminated LCD panel
+/- 1,999 digits

Basic accuracy: DC 1.5% rdg. + 3 digits

Measuring functions:

Voltage: AC, DC: 0.001 V…1,160 VAC / 1,610 VDC
red LED > 12V
Input resistance 2 MΩ
TRMSAC bandwidth: 500 Hz

Current direct: AC/DC 1 mA…2.00 A
max peak voltage 50V

Current with clamp: Clamp as optional accessory
AC/DC 0.1 … 1,000 A
TRMSAC bandwidth: 500 Hz
Ambient Ex I M2 Ex ib I

Resistance: 0.1 Ω … 20.00 MΩ

Frequency: 0.1 Hz … 10,01 kHz (voltage > 5V)

Temperature ºC/ºF: temperature transmitter as optional accessory
-80.0…+600.0°C,

Hold Function: Storage of measured maximum voltage in the display

Connections: three 4mm banana sockets, 7-pin universal socket

Measuring ranges: automatic range selection

Self-Test: Integrated Self-Test functionality

Device protection: Current measuring input is protected with a 2A fuse

Electrical safety: CAT IV 1,000 V per IEC 61010-1

Standards: EN 60079-0 and EN 60079-11
EN 61010-1 and EN 61010-031

EMC: EN 61326

Power supply: 1 Li-Ion battery
Alternative: 1 rechargeable NiMH battery
Replacement of batteries in Ex-Areas permitted
Power supply for charging NiMH battery – Recharging not in Ex-Areas
Battery status indicator
Auto Power OFF

Mechanical design: Portable handheld instrument
Separate battery compartment for easy replacement of battery.
PA impact resistant, antistatic, LCD cover; PC unbreakable

Safety class: IP54

Standard equipment: Set of measuring cables,
1 Li-Ion battery or 1 rechargeable NiMH battery with power supply
Short-form operating instructions
EC Type-examination certificate

Warranty: 2 years

Accessories/Spares: Li-Ion battery
rechargeable NiMH battery
Power Supply for recharging of NiMH battery
Leather bag
Current Clamp
Temperature Transmitter

Type: METRALINE EX25

Brand: Gossen Metrawatt

Country of Origin: Made in Germany

Manufacturer: GMC-I Messtechnik GmbH, Nürnberg
[www.gossenmetrawatt.com](http://www.gossenmetrawatt.com)