

# MTL800 RANGE ENCLOSURES

## SPECIFICATIONS

**ENC8/ENC8SS:** for  
1 MTL831B transmitter, or  
1 MTL838B receiver

**ENC83/ENC83SS:** for  
1 MTL831B transmitter  
(for use with 4-wire RTDs)

**Location**  
Zone 0, 1 or 2

**Protection**  
Dust-tight and waterproof to IEC529:IP67

**Construction (ENC8 and ENC83)**  
Sheet steel, zinc sprayed and painted RAL7015 grey

**Construction (ENC8SS and ENC83SS)**  
Stainless steel

**Lid**  
Detachable with lift-off hinges, secured by captive fixing screws with a padlock hasp

**Earth terminals**  
Fitted on internal earth rails; accommodate conductors up to 4mm<sup>2</sup>

**Number of earth terminals**  
ENC8/ENC8SS: 22  
ENC83/ENC83SS: 18

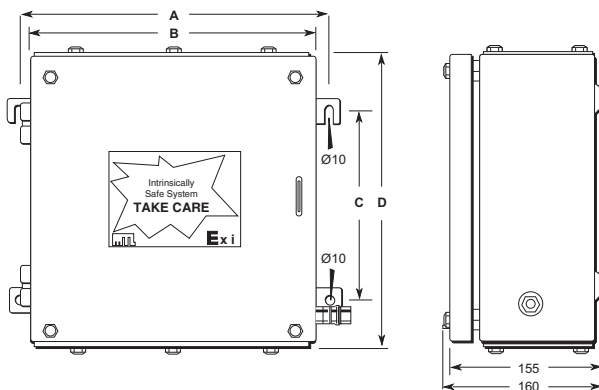
**4-wire RTD terminals (ENC83/ENC83SS only)**  
32 ready-mounted terminals to accommodate conductors up to 4mm<sup>2</sup>

**Gland fixing**  
Top and bottom gland plates detachable for drilling by user

**Mounting**  
By fixed mounting lugs

**Weight (excl. transmitters/receivers)**  
ENC8: 7kg  
ENC83: 9.8kg

## DIMENSIONS (MM)



	A	B	C	D
ENC8	331	306	203	306
ENC83	407	380	305	466

# MTL800 RANGE ACCESSORIES

## SPECIFICATIONS

**PCS83 software package** (for MTL838B-MBF)

**Function:** Software configuration of multiplexer system  
**Format:** 3.5 inch diskette  
**Requires:** PC with DOS 2.2, or higher, and a serial (COM) port.

## TO ORDER, SPECIFY:

**Transmitters**  
**MTL831B** Analogue transmitter

**Receivers**  
**MTL838B-MBF** Analogue receiver, RS485 and/or RS422 outputs for Modbus®

**Analogue receiver accessories**  
**PCS83** PC software configuration package

**Process controller interface software**  
Contact Eaton's MTL product line for details of software for interfacing with proprietary process controllers

**Isolating interface units and earth leakage detectors**  
**MTL3052** Digital isolator interface unit  
**MTL4220** Earth leakage detector

**Enclosures**  
**ENC8** General-purpose enclosure  
**ENC8SS** General-purpose enclosure (stainless steel)  
**ENC83** Enclosure for MTL831B transmitter  
**ENC83SS** Enclosure for MTL831B transmitter (stainless steel)

**Literature**  
**INM838B-MBF** System protocol manual:  
**MTL838B-MBF** Modbus® receivers  
**INM831B** MTL831B manual  
**AN9010** Application Note: A user's guide to intrinsically safe input multiplexer systems  
**INS831B** MTL831B mV Multiplexer transmitter  
**INS838B** MTL838B-MBF Multiplexer receiver - Modbus® output

The given data is only intended as a product description and should not be regarded as a legal warranty of properties or guarantee. In the interest of further technical developments, we reserve the right to make design changes.