



D 200 Ex



Design

Housing

- Stainless steel housing.
- Adjustable wall, column or table fixing kit delivered as standard equipment.

Display screen backlit by red LEDs

Character height : 25.4 mm.



General presentation

The D 200 Ex terminal is a weight slave display for weighing installations in hazardous areas.

In accordance with the ATEX 94/9/CE directive, it may be installed in hazardous areas for risks related to the presence of dust (zone 20, 21 or 22) or gas (zone 1 or 2).

The D 200 Ex terminal is available in two models, and may be connected :

- V1 : through an ISIS 2 intrinsic safety interface; all indicators in the PRECIA/MOLEN range support the following communication protocols :
 - IND 1
 - ABC
 - A+
 - TY
- V2 : directly to an I 200 Ex indicator fitted with an adapted communication module (see FTC : 04 21 00 1 FT)

The D 200 Ex terminal is powered by :

- An intrinsic safety power supply outside hazardous areas : ISIS 2.

Operation

The D 200 Ex slave display may be used in two modes :

- passive mode to display the weight and complementary information displayed on the main terminal (protocols IND1, ABC, TY).
- active mode, in which the keyboard can also be used to obtain remote control of some functions defined by configuration (protocol A+).

Examples of available functions depending on the terminal :

- Reset to zero command,
- Taring command,
- Print ticket,
- Forcing range 2*,
- Select measurement channel**,
- Select summation channel**,
- Change measurement channel**,

The multifunction bar and the key enable direct access to one of the above functions.

Metrological approval

- Test certificate issued by a notified body in accordance with the Directive 90/384/EEC relating to non automatic weighing instruments.

ATEX certification

- Marking : EEx ia II C T4 II 1 G D

European conformity

- Directive 89/336/CEE relating to *ElectroMagnetic Compatibility*
- Directive 2006/95/CE relating to *Low Voltage Equipment*
- Directive 94/9/CEE relating to instruments and protection systems designed for use in hazardous areas.

* With dual range indicator only.

** With multichannel indicator only.

D 200 Ex physical characteristics

- ▣ Dimensions
 - Width 247 mm
 - Height 231.3 mm
 - Depth 97 mm
- ▣ Dimension of wall mounting kit (kit delivered standard) :
 - Width 247 mm
 - Height 231.3 mm
 - Depth 148.2 mm

Environmental characteristics

- ▣ Temperature range
 - Operation - 10 °C / + 40 °C
 - Storage - 20 °C / + 60 °C
- ▣ D 200 Ex industrial protection rating.....IP 66

Standard contents of the delivery

- ▣ D 200 Ex terminal.
- ▣ Adjustable fixing kit.
- ▣ User's manual.

Power supplies

The ISIS 2 intrinsic safety power supply

The ISIS 2 intrinsic safety interface performs 2 functions :

- Power supply interface with intrinsic safety
- Intrinsic safety interface for RS232/RS422 serial link

- ▣ Dimensions :
 - Width 105 mm
 - Height 45 mm
 - Depth..... 170 mm

- ▣ Assembly on DIN rail
- ▣ Power supply : 220 V 50-60 Hz
- ▣ Marking : [EEx ia] II C II (1) G D

I200 Ex P1 / P1-S Power supply in hazardous area :

▣ Dimensions :	I200 Ex P1	I200 Ex P1-S
- Width	125 mm	150 mm
- Height	80 mm	150 mm
- Depth	57 mm	81 mm

- ▣ Power supply : 220 V 50-60 Hz
- ▣ Marking : EEx em [ib] II C T6 II 2 (2) GD

Options & Accessories

Power supplies



Your weighing specialist

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