

IT1 Ex2/22 Remote Display

Systec
Discover smart weighing



**Remote Display IT1 Ex2/22
for Connection to SysTec
Weighing Terminals
for Installation in Hazardous
Area Zones 2 and 22**

IT1 Ex2/22 Remote Display – Technical Data

ATEX approval

- II 3G Ex e ic IIC T4 Gc (gas)
- II 3D Ex ic tc IIIC T135°C Dc (dust)

Construction

Compact stainless steel housing protected to IP65, for desk-top, wall-mount and column-mount installation or as panel-mount version, suitable for harsh environments, all cable connections through sealed cable glands or M12 connectors.

Display and keyboard

Bright 4.3" (11 cm) color screen for indication of weight and operator prompts and calibration.

Sealed membrane keyboard with tactile feedback, with soft keys for zero setting, taring, and special functions (possibility to enable / disable each function).

Applications

The IT1 Ex2/22 remote display is intended for the indication of weights in combination with the SysTec weighing terminals:

- IT1
- IT3
- IT2000M
- IT4000E
- IT6000E
- IT8000E.

Displayed information

In addition to the weight, the high contrast display also shows scale status symbols:

-  Scale in motion
-  Scale in zero range
-  Net weight
-  Scale in overload

Data transmission

Communication between weighing terminal and IT1 Ex2/22 remote display is selectable as:

- Ethernet
- Plug-on interface module (SIM), selectable as RS232 interface (up to 15 m) or RS485 4-wire interface (up to 500 m).

Electrical connection

110–240 V AC, 50–60 Hz
or 12–24 V DC via integrated power supply unit.

Operating temperature

–10 °C (+14 °F) to +40 °C (+104 °F), 95 % relative humidity, non-condensing.

Ethernet connector

M12 connector (Ex) for the assembly of customized connection cables for hazardous area.

Construction:

Desk-top or wall-mount installation



- Stainless steel housing, IP65, NEMA 4X
- Desk-top installation
- Dimensions W x H x D: 210 x 177 x 115 mm (8.3" x 7.0" x 4.5")
- Stainless steel housing, IP65, NEMA 4X
- Wall-mount installation
- Dimensions W x H x D: 210 x 151 x 121 mm (8.3" x 5.9" x 4.8")

Panel-mount version



- Stainless steel housing, fascia plate protected to IP65, NEMA 4X
- Panel-mount installation
- Dimensions W x H x D: 182 x 145 x 47 mm (7.2" x 5.7" x 1.9")
- Cut-out in panel: 165 x 129 mm (6.5" x 5.08")

Directives: 2014/30/EU, 2014/31/EU, 2014/32/EU, 2014/34/EU, 2014/35/EU

 EC: Test Certificate as remote display (pending)

Standards: EN 45501, OIML R 76-1, EN 61000-6-2, EN 61000-6-4, NAMUR NE21, EN 62368-1, WELMEC 8.8, 60079-0/-7/-11/-31

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Sales and service

Subject to change without notice

ST.2309.2041 IT1_FAZ_EX222_DBE.PDF 06.2024