

i 20 Ex 2-21 IECEx

Weight indicator for potentially explosive atmosphere

**PRECIA
MOLEN™**
WORLDWIDE WEIGHING



The **i 20 Ex 2-21 IECEx** indicator benefits from PRECIA MOLEN's experience, expertise and research in designing an accurate, simple and ergonomic product for professional and industrial use.

It can be installed directly in potentially explosive atmospheres where there are risks associated with the presence of dust (zone 21 and 22) and/or gas (zone 2).

It has the following distinctive features :

- ▼ Design and styling for industrial use (robustness, high IP rating and easy to clean).
- ▼ Ease of use.
- ▼ General use : connection to one or more load cells. Available in tabletop, wall, column or panel mounting versions.
- ▼ High quality construction in Grade 304L stainless steel.
- ▼ FSC (Field Sequential Colour) segments technology.

Functions

- Simple weighing
- Counting
- Checkweighing
- Formulation
- Calculation

Configuration

The indicator's metrological and functional settings can be configured:

- Via the indicator's front panel ;
- Via PC and Internet browser.

Parameter backup/restore via optional µSD card or PC.

CE Compliance

- Compliant with the European Directive 2009/23/EC on Non-Automatic Weighing Instruments (NAWI).
- Conforms to the European Directive on Electromagnetic Compatibility.

Ex Certification

- Compliant with the European ATEX Directive relating to equipment and protective systems intended for use in potentially explosive atmospheres and to the IECEx standards.
- Marking according to EN 60079-0:2012
 - II3G Ex nA IIC T4/T6* Gc
 - II2D Ex tb IIIC T85°C Db

* T4 with an option card

Display



- ✓ Weighing
- ✓ Calculation menu



- ✓ Counting
- ✓ Target

- New colour FSC-LCD technology.
- Weight display : 7 x characters, 25 mm high.
- Additional Information : 10 x characters 8 mm high.
- Secondary units : 3 characters

Keypad

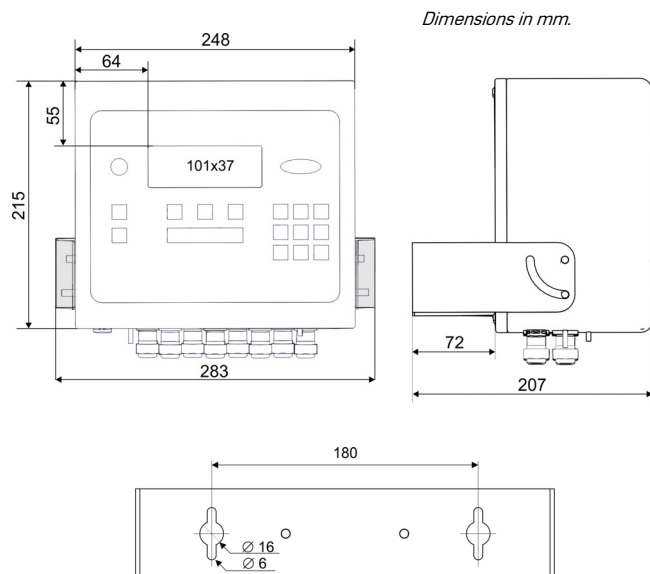
- Touch control keys.

Housing

- 304L stainless steel construction
- Includes a swivelling universal bracket for tabletop, wall or column installation.
- Weight: 4 kg.

Note: The list of the different European Directives applicable and the list of countries which are the subject of an approval are indicated in the International Product Guide.

Technical Characteristics



Power Supply

Power supply.....	9/30 V DC
Maximum power consumption.....	14 W

Environment

- Usage temperature..... - 20 °C / + 55 °C*
(10 to 85 % max. relative humidity without condensation)
- Storage temperature..... - 20 °C / + 55 °C
- Protection rating..... IP66
- Impact resistance..... IK07

* - 10 °C / + 40 °C in trade use.

Metrology



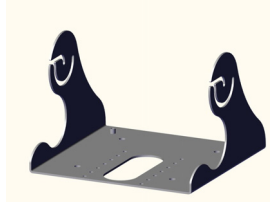
	LT	NT
• Class.....	III	-
• Division (µV).....	0.5	-
• Single range.....	6000	30000
• Dual range.....	2 x 6000	-

- ▼ Load cells
- Power supply..... 5 V
 - R_{Min} 43 Ω
 - R_{Max} 1245 Ω

Accessories Supplied

- Translucent front protection shell, may be kept in place during use.

Options

<p>▼ Data backup</p> <p>Storage on µSD card</p> <ul style="list-style-type: none"> • DSD memory • Parameter and file storage 	<p>▼ Communication</p> <ul style="list-style-type: none"> • USB for PC connection • 2nd RS 232 / RS 485 link • Bluetooth link • Ethernet 	<p>▼ Logical Inputs/Outputs</p> <p>Input/Output interface (with galvanic insulation)</p> <ul style="list-style-type: none"> • 2 inputs: 8 to 30 V DC • 4 outputs: 30 V / 100 mA 	<p>▼ Mounting kit</p> <ul style="list-style-type: none"> • Platform on mono load cell receiver 
<p>▼ Internal power supply</p> <ul style="list-style-type: none"> • Voltage: 100-240V AC 50/60Hz • Power consumption: 0.35 A 			

Your specialist

Non contractual illustrations. Precia-Molen reserves the right to alter the characteristics of the equipment described in this brochure at any time.

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