

3590EXT3GD

3590E "ENTERPRISE" 3GD series: WEIGHT INDICATOR FOR ADVANCED APPLICATIONS IN ATEX 2 & 22 ZONES



Weight indicator for ATEX areas classified at risk of explosion with protection methods according to

ATEX II 3G Ex nR IIC T6 Gc X for gases

ATEX II 3D Ex tc IIIC T85°C Dc IP68 X for dust.

The wide range of available software program guarantees the maximum versatility. Completely programmable printouts and fitted with alibi memory. CE-M approvable (OIML R-76 / EN 45501).

**The best solution
for advanced industrial
applications**

MAIN FEATURES

- 25-key alphanumeric waterproof keyboard.
- Highly efficient red LED display with 6 digits 15mm high.
- Backlit LCD graphic 25x100mm display.
- Synoptic bar graph with 16 bright LEDs showing the active functions.
- Easy to clean STAINLESS STEEL waterproof IP68 enclosure; resistant to harsh and corrosive environments.
- Dimensions: 264x115x174 mm.
- Suitable for use on the table, column, or wall.
- Real time clock and permanent data storage.
- Fitted with alibi memory, integrated on the motherboard.
- Functions available with DINI TOOLS utility
 - Configuration, calibration, data entry and print formatting.
 - Recording and filing of all the information on PC.
 - Complete retrieval of the saved data for quick replacement.
 - Instrument calibration with numeric values.
- Selection of the programme language directly in the set-up.
- 24-bit A/D converter, 4 channels, up to 3200 conv./sec. and up to 8 signal linearisation points.
- Up to 10.000e OIML or 3 x 3000e @ 0,3 $\mu\text{V/e}$ CE-M legal for trade.
- Up to 1.000.000 displayable divisions for internal factory use, with internal resolution up to 3.000.000 points.
- 110-240 Vac power supply.
- Management of up to 4 independent scales (up to 2 for the AF03 version).
- Connectable with up to 16 analogue 350-Ohm (or 45 1000-Ohm) load cells.
- Connectable to printers and labellers with the command drivers.

MAIN CERTIFICATIONS

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R51 - MID
- OIML R134 (AF09)
- Australian legal for trade certificate of approval (NMI S788)

I/O SECTION

- Two RS232 serial ports, for connection to printer (in safety zone), PC or PLC.
- One RS232/RS485 serial port, for connection to printer (in safety zone), PC or PLC.
- 4 optoisolated outputs (16 in the IO versions).
- 2 optoisolated inputs (8 in the IO versions).
- Profibus interface to install in safety zone (available upon request for E-AF01 and E-BATCH1 versions).
- Analogue output with D/A converter at 16 bit, 0-10Vdc, 0-20mA, 4-20mA (available upon request for the IO versions).



www.diniargeo.com

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OCEANIA
Australia



COMPANY HEADQUARTERS

Via Della Fisica, 20
41042 Spezzano di Fiorano Modena • Italy
Tel. +39.0536 843418

SERVICE ASSISTANCE

Via Dell'Elettronica, 15
41042 Spezzano di Fiorano Modena • Italy
Tel. +39.0536 921784

SALES AND TECHNICAL ASSISTANCE SERVICE