

INDICATOR

DA-TOUCH **3590 EGT**

Safety and precision in industrial environments

- › 120 x 90 mm colour touchscreen
- IP68 stainless steel casing
- Advanced connectivity
- Multi-language



Model
DA-TOUCH 3590 EGT INDICATOR

CERTIFIED



Indicator

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The 3590EGT weight indicator has been designed as an advanced solution for industrial weighing applications that require high precision, operational flexibility and a modern interface.

Made of stainless steel with IP68 protection, it guarantees resistance, safety and reliability even in demanding industrial environments.

Its 120 x 90 mm colour touch screen offers clear and configurable display, ensuring simple and intuitive operation, while the waterproof alphanumeric keypad allows for quick and precise control.

Generalidades

This is a digital weight indicator designed for demanding industrial environments, suitable for both standard applications and complex, customised systems.

It incorporates multiple communication ports, integrated Alibi memory and compatibility with analogue and digital load cells. Its stainless steel design and protection options make it suitable for table, column or wall installation, even in adverse environmental conditions.



Da-Touch EGT Indicator

Features

Type	Touchscreen indicator
Material	Stainless steel
Installation	Tabletop, column, or wall-mounted
Screen	120 x 90 mm color touchscreen graphic display
Keyboard	Waterproof alphanumeric keypad and selectable virtual keyboard (QWERTY, AZERTY, or QWERTZ)
Conversion	24-bit, 4-channel A/D converter, up to 3,200 conversions/second and up to 8 signal linearization points
Power supply	110–240 Vac
Communications	2 bidirectional RS232 outputs and 1 RS232 output (RS485 optional)
Protocol	Modbus RTU
Dimensions	280 x 143 x 185 mm

Available functions:

- Configuration, data entry and print format.
- Archiving and storage of all information on the PC.
- Full configuration recovery.
- Instrument calibration with numerical values.
- Customisation of displays.

Features

Graphic touch screen

It incorporates a 120 x 90 mm backlit touch screen that clearly displays all weighing data. Its programmable nature facilitates the creation of interfaces tailored to each application, improving usability and reducing operational errors.

Configurable user interface

It has a waterproof alphanumeric keypad and a selectable virtual keyboard (QWERTY, AZERTY or QWERTZ), allowing the equipment to be adapted to different working environments and operator preferences. Using a 3-way traffic light and configurable screens, the display allows visual indication of weight conditions and process statuses defined by the application.

High measurement accuracy

It features a 24-bit A/D converter with up to 3,200 conversions per second and multiple linearisation points, ensuring stable, fast and accurate readings even in demanding industrial applications.

Extensive compatibility with load cells

It allows the connection of multiple analogue and digital load cells, including those most commonly used in industrial scales and weighbridges, facilitating their integration into both new and existing installations.

High resolution and metrological capability

It offers up to 10,000 divisions in a version approved for legal use and much higher resolutions for internal use, making it suitable for both commercial and control and process applications.

Data memory and traceability

It incorporates Alibi memory, a calendar clock and permanent data storage, ensuring the traceability of weighings and compliance with legal and quality control requirements.

Robust industrial design

Constructed of stainless steel and designed for tabletop, column, or wall mounting, it is built to withstand industrial environments. Enhanced protection options are available for applications with harsh environmental conditions.

Applications

The DA-3590EGT weight indicator is suitable for industrial weighing applications where precision, reliability and ease of use are required. It allows for the **control and totalisation of weighings** in production processes, facilitating the tracking of batches and consumption.

It is particularly useful in **quality control and weight verification tasks**, thanks to its reading stability, data recording capability, and clear display of information.

In **logistics and shipping applications**, it integrates with printers and computer systems for recording and documenting weighings.

It is also suitable for fixed weighing installations, such as platforms and weighbridges, and for regulated weighing applications, provided it is configured in accordance with current metrological regulations.



Dosage and formulation

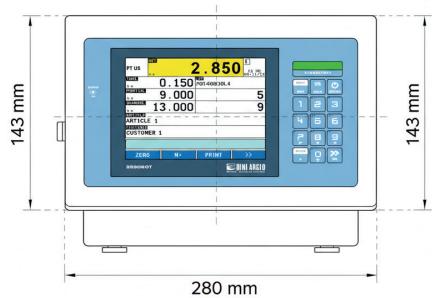


Logistics control

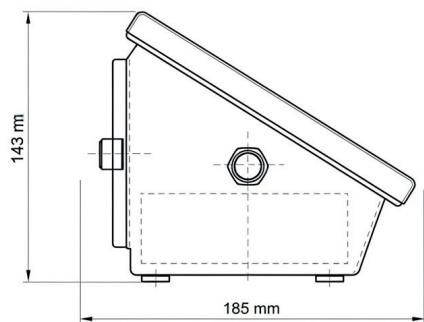
Illustrative images

Dimensions

Front view



Profile view



Optional accessories

The DA-TOUCH EGT indicator can be complemented with a wide range of accessories to expand its functionality and adapt it to each installation:

- » 2 opto-isolated inputs and 4 outputs for integration into automation systems.
- » Analogue output via expansion card.
- » Industrial communication interfaces such as Profibus, Modbus/TCP, Profinet, Ethernet/IP, EtherCAT, CANopen or DeviceNet.
- » Bluetooth connectivity for wireless programming and management from a PC, tablet or smartphone.
- » Optional IP69K protection for applications in particularly harsh environments.

References

DESCRIPTION	REFERENCE
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3590EGT INDICATOR

000013980514



Technical Data

Hardware

- » 24-bit A/D conversion, 4 channels
- » Up to 3,200 conversions per second with automatic selection
- » Up to 8 signal linearisation points
- » Analogue and digital load cell management
- » Connection of up to 16 analogue load cells (350 Ω)
- » Maximum resolution 10,000e in approved version
- » High internal resolution for control and process applications
- » Integrated Alibi memory
- » Calendar clock and permanent data memory
- » 110–240 Vac power supply
- » Operating temperature: -10 to +40 °C

Software

- » Multilingual programme
- » Weighing totalisation.
- » Data management and traceability
- » Freely programmable print formats
- » PC tools for:
 - > Configuration and parameterisation
 - > Instrument calibration using numerical values
 - > Screen customisation
 - > Complete configuration backup and recovery
- » Support for legal weighing applications in accordance with metrological regulations (depending on configuration)

Connectivity

- » 2 bidirectional RS232 serial ports
- » 1 RS232 serial port (optional RS485 configurable)
- » Modbus RTU protocol
- » Connection to printers and labellers
- » Keyboard emulation input for barcode reader or external keyboard

Certifications and approvals

- » EU Type Examination Certificate in accordance with EN 45501:2015
- » OIML R76 – Non-automatic weighing instruments
- » OIML R51 / MID – Automatic weight controllers (requires CHECK firmware option)
- » OIML R61 / MID – Automatic filling machines (requires BATCH1-R61 firmware option)
- » OIML R134 – Axle weighing systems (applicable with AF09 programme)
- » Legal approval for trade in Australia (NMI S788)

The certifications indicated are applicable depending on the equipment configuration, weighing programme, and firmware options installed.

Options

DA-TOUCH ET - EGT INDICATOR

01 - Applications / Software

	Description	Reference
	Program for counting parts/quantity.	000119091075
	Program for weighbridges, vehicle entry/exit.	000119091076
	Program for production/statistical control.	000119091077
	Program for industrial weight/price labeling.	000119091078
	Program for weighing static wheels and axles.	000119091079
	Program for static or dynamic axle weighing.	000119091080
	Program for single-product dosing during loading or unloading.	000119091081
	Program for weighing packages on a conveyor belt.	000119091082
	PC program for rapid file compilation.	000119091083
	Program for rapid touchscreen customization.	000119091084

02 - Cables

	Description	Reference
	Power cable with BS1363 (UK) plug.	000590114246
	Power cable with SEV1011 (CH) plug.	000590114247
	Power cable with US Type B plug.	000590114248
	Power cable with AU plug.	000590114249

03 - Connection cables

	Description	Reference
	RS232 serial cable - DB9/RJ11 - l=1.5m.	000590114250
	RS232 serial cable - DB9/RJ11 - l=10m.	000590114251
	Ethernet cable, l=1.5m. Complete with cable gland.	000590114252

04 - External battery

Description	Reference
	000199009034
	000590114253
	000119052186
	000571210738

05 - Junction boxes / Splice cards - Load Cell cables

Description	Reference
	000590114254
	000590114255
	000590114256

06 - Heavy storage

Description	Reference
	000191008101
	000191008102
	000119091085
	000191008103

07 - Communication interfaces

Description	Reference
	000590114257
	000590114258
	000191008104
	000191008105
	000191008106
	000191008107
	000191008108
	000191008109

08 - Interfaces

Description	Reference
	External RS232/RS485/PROFIBUS interface.
	RS232/Bluetooth Classic 3.0 conversion card.
	Internal RS485 interface.
	Opto-isolated internal RS485 interface.

09 - Fieldbus interfaces

Description	Reference
	RS485 to Profinet interface for DIN rail mounting.
	Compact RS485/Ethernet IP converter.
	Compact RS485/EtherCAT converter.
	Compact RS485/DeviceNet converter.
	Compact RS485/CANOPEN converter.
	CPU connection cable for fieldbus.

10 - Repeaters

Description	Reference
	RS485 alphanumeric repeater with LED display.
	Weight repeater with 100mm LED display.

11 - Traffic light for mounting together with the weight indicator

Description	Reference
	Integrated traffic light with 3 ABS outputs.

12 - Columns, support brackets, visors

Description	Reference
	AISI 304 stainless steel mounting bracket (wall). 000571210739
	Adjustable tilt bracket, AISI 304 stainless steel. 000571210740
	AISI 304 stainless steel column, h=917mm. 000571210741
	Stainless steel column, painted steel base. 000571210742
	Stainless steel column, h=750mm. Painted base. 000571210743

13 - Digital inputs/outputs

Description	Reference
	Kit with 2 opto-isolated inputs. 0090602130
	Kit with 4 opto-isolated outputs. 0090602131

14 - Analogue output

Description	Reference
	Internal opto-isolated analogue output RS232 / RS485. 0090602132