



INDICATORS
INDUSTRIAL SOLUTIONS

INDICATORS

DA-TOUCH **3590 ET**

Digital weight display for industrial environments

- › Colour touchscreen display
- › IP65 ABS casing
- › Connectivity, customisation and automation



Model
DA-TOUCH 3590 ET indicator

CERTIFIED



INDICATOR

DA-TOUCH ET INDICATOR

DA-TOUCH 3590 ET INDICATOR

The DA-TOUCH 3590 ET is a touchscreen weight indicator designed specifically for advanced industrial applications with digital load cells, particularly in weighbridges and high-demand weighing systems.

The DA Touch 3590 ET has a 120 x 90 mm colour touch screen. Suitable for use on a table, column or wall, it also has a waterproof keypad for damp environments.

Equipped with multiple ports and compatibility with major industrial communication protocols, the 3590 ET integrates easily into automation networks and production management systems.

In addition, its configurable, multilingual software, together with integrated Alibi memory, provides total control of weighing and complete data traceability for industrial environments.



Rear connections

Traffic light option: three-colour light signalling system (red, amber and green) that provides an immediate visual indication of the weighing status, allowing accurate verification of compliance with the target values or tolerances set during the process.



DA-Touch 3590 ET indicator

Features

Type	Touchscale indicator
Material	High-impact ABS with IP65 protection
Installation	Tabletop, column, or wall-mountable
Screens	120x90 mm color touchscreen, backlit and fully customizable
Keyboard	Selectable QWERTY, AZERTY, or QWERTZ touchscreen keyboard. Waterproof.
Conversion	24-bit, 4-channel, up to 3200 conversions/second
Power Supply	110–240 VAC / optional 6V 12Ah rechargeable external battery (IP67)
Communications	2 bidirectional RS232 outputs. One RS232/RS485 serial output
Protocols	Modbus RTU
Inputs/Outputs	2 opto-isolated inputs and 4 outputs (expandable with optional expansion cards, depending on configuration)
Dimensions	278 x 125 x 186 mm

General information

The DA-TOUCH 3590 ETD display allows direct management of the main digital load cells on the market, integrating specific hardware and the standard AF03GT programme for weighbridges. Its backlit graphic touch screen facilitates clear viewing of all weighing data and customisation of the screens according to the application, simplifying the operator's work and improving operational efficiency.

ABS housing with IP65 protection for humid environments.

It incorporates a calendar clock, permanent data memory and integrated Alibi memory, ensuring the traceability and security of weighing information. Its design allows for installation on a table, column or wall.

Thanks to its modular structure and expandable software via DiniTools, the DA Touch 3590 ET display can be adapted to the needs of each customer.

Competitive advantages

- › Intuitive and customisable touch interface.
- › Optimised for digital weighbridges, with direct management of digital cells without external devices.
- › Extensive communication options for integration with PLCs, printers and automation systems.
- › Highly customisable, both in terms of software and displays, adapting to specific customer processes.
- › High performance and accuracy, with 24-bit conversion and high reading speed.
- › Easy maintenance and configuration, using DiniTools software and optional wireless connectivity (Bluetooth/WiFi).
- › CE-M approved, suitable for commercial transactions and metrological control.
- › Technical support and quality assurance from Epelsa/Dini Argeo, providing reliability and support throughout the product's life cycle.

Key features

- › 120 x 90 mm backlit graphic touchscreen, fully customisable
- › High-strength ABS casing with IP65 protection for humid environments
- › 24-bit A/D conversion, 4 channels, up to 3200 conversions/second
- › Up to 8 signal linearisation points
- › Alibi memory integrated into the motherboard
- › Calendar clock and permanent data memory
- › Connectivity via multiple serial ports and industrial protocols
- › Universal 110–240 VAC power supply
- › Configuration, data entry and print formatting.
- › Archiving and storage of all information on the PC.
- › Full configuration recovery.
- › Instrument calibration with numerical values.
- › Customisation of displays.
- › CE-M approved (OIML R-76 / EN45501)



Applications

The DA Touch 3590 ET is designed for a wide variety of industrial weighing and control applications, including:

- › Bridge scales with digital load cells
- › Vehicle entry and exit control
- › High-precision industrial weighing
- › Logistics control and goods traceability
- › Integration into industrial automation systems
- › Approved metrological applications for legal use

Technical Data

Hardware

- » 120×90 mm colour touch screen, backlit, fully customisable.
- » High-strength ABS casing with IP65 protection (IP40 in version with printer).
- » QWERTY/AZERTY/QWERTZ touch keyboard or waterproof physical keyboard.
- » A/D conversion: 24 bits, up to 3200 conversions per second, with up to 8 linearisation points.
- » CE-M metrological approval up to 10,000e (multi-range: 3 × 3000e at 0.3 μ V/e).
- » Display resolution up to 1,000,000 divisions for internal use.
- » Internal calculation resolution up to 3,000,000 points, ensuring high stability and reading accuracy.
- » Connection to up to 16 analogue load cells with 350 Ohm input resistance (45 cells of 1000 Ohm) and to the main digital load cells available on the market (in the E-AF03 version).
- » Integrated Alibi memory.
- » Clock and calendar: Built-in, with permanent data memory.
- » Power supply: 110–240 VAC or optional
- » IP67 external battery (6V – 12Ah).
- » Installation: Tabletop, column or wall mounting.

- » Dimensions: 278 × 125 × 186 mm.
- » Weight: Approximately 3.5 kg.

Connectivity

- » 2 bidirectional RS232 ports for connection to printers, PCs, PLCs or communication modules.
- » 1 configurable RS232/RS485 port for repeaters, remote scales, identification readers or digital load cells.
- » Keyboard emulation input for barcode reader, identification labels or external keyboard (via optional mini-DIN cable)
- » Modbus RTU protocol.

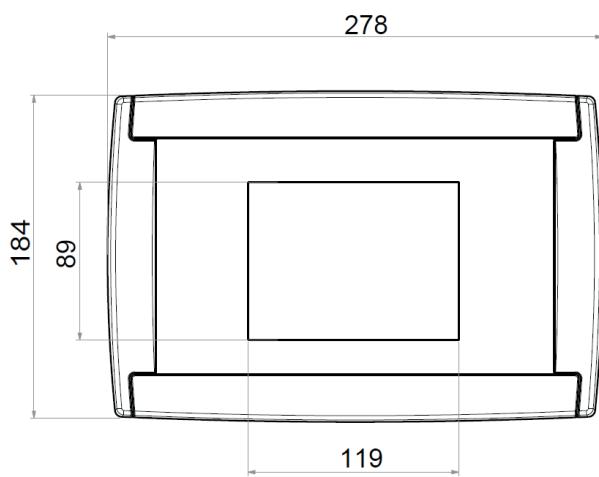
Software

- » Configurable industrial weighing operating system and environment, optimised for advanced weighing applications.
- » Fully customisable touchscreen interface, with screens tailored to each process using PC software.
- » Advanced weighing data management, with permanent records and traceability of information.
- » Integrated Alibi memory, compliant with metrological requirements for legal use.
- » Digital input and output management integrated into the software.
- » Configuration, calibration and maintenance using DiniTools software.
- » Multi-language support, selectable from the menu.
- » Management of communications and industrial protocols, according to the weighing programme installed.
- » Possibility of developing customised applications, adapted to specific processes.

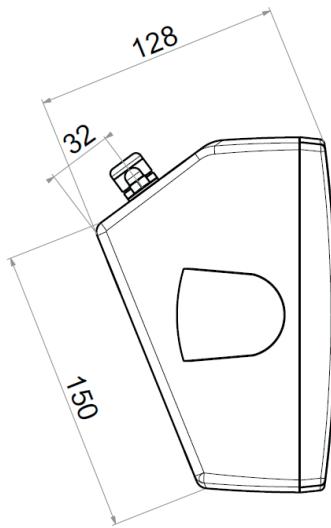
The DA Touch 3590 ET viewer complies with the main international standards for accuracy, safety and metrological conformity. CE-M approved (OIML R-76 / EN 45501). These certifications guarantee the reliability, traceability and regulatory compliance of the equipment in industrial and commercial applications that require legal metrological control.

Dimensions

Front view



Side view



Optional extras

- » 4 opto-isolated outputs.
- » 2 opto-isolated inputs.
- » Optional industrial interfaces: Profibus, Profinet, Ethernet/IP, EtherCAT, CANopen, DeviceNet
- » Bluetooth connection.
- » Internal microSD card slot (configuration and logos, on request)

References

DESCRIPTION	REFERENCE
3590ET INDICATOR	000013980515

Opciones

DA-TOUCH ET - EGT INDICATORS

01 - Applications / Software

	Description	Reference
	Program for parts counting/quantity measurement.	000119091075
	Program for weighbridges and vehicle entry/exit control.	000119091076
	Program for production control/statistical analysis.	000119091077
	Program for industrial weight/price labeling.	000119091078
	Program for weighing static wheels and axles.	000119091079
	Program for weighing static or dynamic axles.	000119091080
	Program for single-product dosing during loading or unloading.	000119091081
	Program for weighing packages on conveyor belts.	000119091082
	PC program for quick file compilation. Program for quick touch-screen customization.	000119091083
	Programa de personalización rápida de la pantalla táctil.	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
	External stainless steel battery, IP67, 6V 12Ah.
	Connection cable for battery BP6V12A.
	External charger for battery BT6V12A.
	Stainless steel bracket for mounting the ATEX-compliant battery.

05 - Junction boxes / Splice cards - Load Cell cables

Description	Reference
	Shielded cable for platform, length 50cm.
	LCCBC cable + 5m extension.
	LCCBC cable + 10m extension.

06 - Heavy storage

Description	Reference
	Internal USB port for storing data on a USB drive.
	Set of 5 USB flash drives for storing large files.
	PC software "WeiMonitor" for monitoring and recording.
	10 memory cards for customizing the screen with logos.

07 - Communication interfaces

Description	Reference
	USB PC/RS232 converter cable, 1.5m long with PG9 connector.
	USB PC/RS485 converter cable, 1.5m long.
	External 2.4 GHz radio frequency interface with 3m cable.
	External 2.4 GHz radio frequency module for PC.
	Internal 2.4 GHz radio frequency module.
	Internal Wi-Fi interface for wireless connection.
	Internal Ethernet interface, 10-100 Mbps speed.
	External RS232/Ethernet interface.

08 - Interfaces

Description	Reference
 External RS232/RS485/PROFIBUS interface.	000191008110
 RS232/Bluetooth Classic 3.0 conversion card.	000191008111
 Internal RS485 interface.	000191008112
 Opto-isolated internal RS485 interface.	000191008113

09 - Fieldbus interfaces

Description	Reference
 RS485 to Profinet interface for DIN rail mounting.	000191008114
 Compact RS485/Ethernet IP converter.	000191008115
 Compact RS485/EtherCAT converter.	000191008116
 Compact RS485/DEVICENET converter.	000191008117
 Compact RS485/CANOPEN converter.	000191008118
 CPU connection cable for fieldbus.	000590114259

10 - Repeaters

Description	Reference
 RS485 alphanumeric repeater with LED display.	0090602127
 Weight repeater with 100mm LED display.	0090602128

11 - Traffic light for mounting together with the weight indicator

Description	Reference
 Integrated traffic light with 3 ABS outputs.	0090602129

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 analog output RS232 / RS485. 0090602132