

3590EGT8 8 inches Touchscreen Weight Indicator



As of: Monday, April 27, 2026



Standard Features

- **8 inches (160x120mm) resistive backlit color touch screen graphic display.** Suitable for use with gloves.
- Stainless steel case with adjustable inclination and **IP68** protection.
- Multilingual software, available in: Italian, English, German, French and Spanish. It is also possible to enter our own translation, thanks to the **new software "CUSTOM LANGUAGE TOOL"**, downloadable from the DOWNLOAD section of this page.
- 3 colour high brightness LED control light.
- Available touch screen keyboards: QWERTY, AZERTY or QWERTZ.
- Dimensions (lxwxh): 328x243x129 mm.
- As standard fitted with an adjustable bracket, for bench or wall mounting.

- Real time clock and permanent data storage.
- Supplied with alibi memory, integrated on the motherboard.
- Slot for internal micro SD (optional) to store logos.
- **Functions available with DINITOOLS Utility Software, even from remote (WEBSERVER mode via internet).**- Configuration, data entry and print formatting.
 - Transmission and storage of all the information on PC.
 - Complete backup of the configuration.
 - Instrument calibration with numeric values (theoretical calibration).
 - Customization of the layouts.
 - Development environment for custom programs through specific programming language.
- 24bit A/D converter, 4 channels, up to 3200 conv./sec. with autoselect and up to 8 signal linearization points.
- 4 independent analogue channels (up to 2 in the EAF03 version).
- Connectable with up to 16 analogue load cells of 350 Ohm (45 load cells of 1000 Ohm) and with the main digital load cells available on the market (in the EAF03 version).
- Management of the most common digital load cells for weigh bridges (with DIGIKIT option and AF03GT firmware), also for applications with CE-M approval.
- Up to 10.000e OIML or 3 x 3000e @ 0,3 μ V/e in approved version CEM.
- Up to 1.000.000 displayable divisions for internal factory use, with internal resolution up to 3.000.000 points.
- Connectable to printers and labellers with free programming of the printout formats.
- 110-240 Vac power supply or external rechargeable battery pack (optional).
- Motherboard with removable screw terminals.

Weight indicator with 8 inches touch screen display. New IP68 housing with adjustable viewing angle brackets. Integrated LED control light on the front panel and Integrated Ethernet port as standard. The 3590EGT8 indicator, in addition to the standard weighing programs that are available also has a development environment for specific applications with an integrated debugger and programming tools for the PC. Thanks to the completely customizable screen layouts it can display all the weighing data, database records and free texts, this considerably simplifies the user operations. CE-M approvable (OIML R-76 / EN 45501, OIML R-51 - OIML R-61 - MID for dynamic check weigher AWI).

Ideal for Digital Approved Weighbridge:

The 3590EGT indicator with AF03GT firmware manages the most common digital load cells for weigh bridges, even for CE-M approved applications:

Dini Argeo RCPTD/RCD/RSBTD

Rice Lake RL5416D/RL5426D

Utilcell 740D

Sensocar SP/CS

Scaime CB50X-DL

Flintec RC3D

HBM C16i (requires HBM junction box and RS422\RS485 converter)

Zemic DM-B4110, DM-B4310, DM-B4311,DM-E5310

For a complete list of compatible loads cells, please see the AF03GT Technical Manual.

For efficient handling and optimal protection of digital load cells, we recommend the use of the DIGIKIT option.

3590EGT8 8 inches Touch Screen Weight Indicator Specifications

I/O Section:

- **1 internal Ethernet port as standard, to connect to the company network.**
- 1 RS232 serial port on RJ45 connector (if activated, it deactivates the Ethernet port) for connection to printer, PC, PLC, radio module and optional interfaces.
- 1 RS232 serial port on screw terminals for connection to printer, PC, radio module and optional interfaces.
- 1 RS232/RS485 serial port on screw terminals, for connection to weight repeater, remote scale, badge reader or digital load cells.
- Fitted keyboard emulation input, for barcode/badge readers or external PC keyboard, through cable with mini DIN connector (optional).
- 4 optoisolated outputs, expandable up to 16 with optional board.
- 2 optoisolated inputs, expandable up to 8 with optional board.
- External Profibus or Modbus/TCP, interface (optional), for automation management.

Available Languages:

- Menu selectable languages: IT, EN, FR, DE, ES, PT, PL*
 - * Polish available only on EGT-AF01, EGT-AF02, EGT-AF03, EGT-AF04, EGT-AF09, EGT-BATCH1, EGT-BATCH
- Code pages available for the translation of messages and screens, using the Custom Language Tool program (downloadable in the Download section):
- Windows 1252: EN, GA, IT, NO, PT, ES, SV, DE, FI, IS, FR, NL, SL
 - Windows 1250: PL, CS, SK, HU, SL, SH, RO, SQ, EN, DE
 - Windows 1251: RU, UK, BE, BG, SR, MK, EN
 - Windows 1253: EL, EN
 - Windows 1258: VI, EN, FR

Main Certifications:

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R-51 - MID automatic checkweighers (require "CHECK" firmware option)
- OIML R-61 - MID automatic filling machines (require "BATCH1-R61" firmware option)
- OIML R134 (AF09)
- Australian legal for trade certificate of approval (NMI S788)

Application Software:

- **SUPPLIED AS STANDARD:**
- **AF01:** Totalization and formula weighing
OPTIONAL:
- **AF02:** Pieces/quantity counting
- **AF03:** Weighbridges - Input/Output vehicle
- **AF04:** Statistical checking of prepackaged goods

- External Profinet, Ethernet/IP, EtherCAT, CANopen or DeviceNet interface (optional, only with standard AF01 weighing program).
- Modbus RTU Interface.
- Optional Wireless Personal Area Network (WPAN) connection, for quick wireless programming of databases, through PC, smartphone or tablet.
- Analog output DAC16O needs the expansion board IOEXPB.

- **AF05:** Price computing and industrial labelling
- **AF08:** Wheel and axle static weighing with 2 or various platforms
- **AF09:** Dynamic and static axle weighing with 2 platforms
- **BATCH1:** Single product dosage systems in loading and unloading
- **BATCH:** Multicomponent dosage systems in loading and unloading (IOEXPB board must be included)

Customised Applications:

- Thanks to the integrated development area, fully customized applications can be created autonomously:
 - Specific weighing programmes according to customer requirements
 - Customized weighing programmes for terminal replacement in preexisting systems
 - Wizards, operator

messages.

- Serial port management, protocols customization.
- Digital I/O full management.
- Sequential or simultaneous automations.
- Data entry, custom archives.

Dini Argeo can offer the service of custom development programs. You can ask for a quotation.

Completely Customizables Screens

Thanks to the programmable Touch Screen Display, you can create custom-made interfaces for any application:



The "Dini Display Tool" is a PC software which allows you to quickly customize the TOUCH SCREEN.



Parts

Part #	Description
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Available Versions

3590EGT8-1	8-inch Touch Screen indicator with stainless steel IP68 case. Tilting version with stainless steel support for bench/wall installation. Internal Ethernet port as standard. Fitted with AF01 software as standard.
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Available Versions with UK Power Cord

3590EGT8UK-1	8-inch Touch Screen indicator with stainless steel IP68 case. Tilting version with stainless steel support for bench/wall installation. Fitted with AF01 software as standard. Internal Ethernet port as standard. Power supply cord with BS1363 plug (UK plug).
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Options

Part #	Description
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Kits for Connection to Digital Load Cells for Truck Scales

DIGIKIT	Power supply and RS485 protection board kit, for digital load cells. RS485 chip is included. TAKE NOTE: price includes the installation of the kit.
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RSCBTW	4-core twisted shielded cable (2x2x0.34 mm ²), for RS485 communication or analogue output. Polyolefin inner sheath. Tinned copper braid shielding. Outer sheath PVC, diameter 7mm. Temperature range: -30 / +80 °C. Minimum bending radius >= 6 x O.D. €/m. Maximum orderable length: 100 m (longer lengths available only upon request).
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JB10QD-1	RS485 equalisation box for connection with up to 10 digital load cells. Reinforced polyester box, with 10 + 1 cable glands and surge arresters.
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Optional Power Supply Cords

PWCORDUK	Version with BS1363 power cord (UK plug).
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PWCORDCH	Power supply cord with SEV1011 plug (CH plug).
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PWCORDUS	Version with US type B power cord (Japan, North and Central America).
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PWCORDAUS	Version with AU power cord.
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Available Firmwares

AF02	Software for piece/quantity counting.
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AF03GT	Software for weighbridges, vehicle In/Out. For 3590 "TOUCH SCREEN" weight indicators.
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AF04GT	Software for statistical checking of prepackaged goods. For 3590 "TOUCH SCREEN" weight indicators.
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AF05	Software for price computing and industrial labelling.
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AF08	Software for static wheel and axle weighing with 2 or more pads.
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AF09	Software for dynamic and static axle weighing with 1 or 2 pads.
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BATCH1	Software for single product dosage systems in loading and unloading.
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BATCH	Software for multicomponent dosage systems in loading and unloading. NOTE: For 3590, IOEXPB expansion board is required.
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CHECK	Software for packages weighting on a conveyor belt functions. R51 approvable.
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Software to Fill in the Databases

DBM	PC software for quick filling out of the databases. For 3590Exx and CPWExx instruments (the price is intended for the license to manage one scale).
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Software for Display Customization

Part # Description

DDT Software for the quick customisation of the touchscreen display. For 3590ET and 3590EGT series indicators.

Storing Weighments

USBEGT8 Built-in USB port kit for data storing on USB key. To be coupled with 3590EGT8 touch screen weight indicators. It does not occupy serial ports. Fitted with USB key for PC.

USBK Set of 5 USB keys for recording the weighs.

SWM "WeiMonitor" PC program to monitor and record in real time weighs performed on the connected scale (the price is intended for the license to manage one scale).

External Battery

BP6V12A IP67 stainless steel external battery pack, 6V 12Ah. TAKE NOTE: this battery can be directly recharged from the indicator's motherboard, when the indicator is connected to the main line (230Vac). Otherwise, it's possible to recharge the battery by using the BP6CBE recharger.

BTCB6 Cable for BP6V12A battery connection.

BP6CBE Battery charger for BT6V12A battery.

STFA12 Stainless steel bracket for mounting the ATEX battery on column. Compatible with "DFWBP76ATEX..", "IECEXB", "BP6ESTATEX3GD.." and "BP6V12A".

Junction Box / Boards - Load Cell Cables

3590E4CH Built-in board for multiple quick scale connection.

LCCBC Cable for connection between platform and indicator, l=50cm. Female connector to be soldered.

LCCB5C LCCBC cable + 5m extension cable.

LCCB10C LCCBC cable + 10m extension cable.

Approval for Sale to Third Parties

KCEM Plates and Welmec form for legal trade use of a scale. NET PRICE. Service available in combination with a Dini Argeo indicator.

ECEM-AU Single platform/scale legal-for-trade approval for Australia.

Printers / Labelers

OBTPRB Table thermal printer. For weight indicator, with IP40 ABS case, 1,5 m connection cable and internal power supply. Thermal paper roll included as standard.

PR80-3 Thermal printer with paper cutter. Paper roll not included.

CODEPG Service for loading a customised code-page on TPR printer (standard is PC437 - Central Europe, USA)

LP542TE Thermal transfer or direct thermal labelling machine Supplied with standard peel mechanism. Maximum printing size 25400 x 108 mm. Maximum roll Ø 127 mm and width up to 112 mm. Label roll and ribbon not included.

Part #	Description
SMTPLUS-2	Thermal transfer or direct thermal labeller. Peel-off kit in option. Maximum print size 25400 x 108 mm. Maximum roll Ø 203 mm and width up to 118 mm. Label roll and ribbon not included.
SMTRPK-1	Label peel-off and rewind kit for SMTPLUS-x labeller.
TM295	DotMatrix impact printer. Paper / Labels / Tags not included.
LX300PRO	DotMatrix impact printer. Paper not included.
RSCBLX	RS232 cable l=1,5m for LX300, TM295 printers.
RSCBLP	RS232 cable l=1,5m for LP542xx, SMTPLUS printers.
RSCBLP10M	RS232 cable l=10m for LP542xx, SMTPLUS printers.
RSCBSHTP	1,5 m cable for connecting PR80-3 printer.
RSCBSHTP10M	10m cable for connection to the PR80-3 printer.
PRNSERV	Custom-made ticket (up to 4 layouts). NET price.
APRNSERV	Custom-made label (up to 4 layouts). NET price.

Display Customization

GTMEM	10 memories set for display customization with logos and images.
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Communication Interfaces

RSCBUSBPG	USB PC/RS232 converter cable, l=1,5m, with PG9. USB/RJ11 connector. For the connection to weight indicators with IP65, IP68 and IP69K protection system.
OBRF2G4	External 2.4 GHz radio module, cable l=3m. ABS IP65 protecting box, 3 m cable, power supply from weight indicator. Max. distance, in appropriate environmental and installation conditions: 45 m indoors, 140m outdoors. 39 configurable channels.
OBRF2G4-USB	External 2.4 GHz radio frequency module, USB cable l=1m. Power supply directly from the USB port. Max. functioning distance, in appropriate environmental and installation conditions: 45 m indoors, 140 outdoors. 39 configurable channels.
RF2G4	Built-in 2.4 GHz radiofrequency module. Max. functioning distance in appropriate environmental and installation conditions: 45m indoors, 140m outdoors. Up to 39 configurable channels. (RF2G4 must be combined with another radio module).
WIFITPWLK-2	Built-in WI-FI interface. For wireless connection (through access point) to the company computer system.
PROFI232-1	External RS232/RS485/PROFIBUS interface for DIN bar. Connectable to the indicators with Profibus protocol with PCB, terminal blocks, plastic box and UL-marked labels (if applicable).
PROFIBUS1S	RS485-Profibus interface for DIN bar. With UL marked PCB, Terminal block, plastic box and labels (if expected).
RS485OPTO	Built-in optoisolated RS485 interface (mounting and cable gland excluded).
WPAN-CL	Classic WPAN device, complete with AMP cable and integrated antenna.

Part #	Description
WPAN-LE	Low-energy WPAN device, complete with internal antenna.

Fieldbus Interfaces

PROFINET1S	RS485 to ProfiNET interface, for DIN rail mounting. With UL marked PCB, Terminal block, plastic box and labels (if expected).
ETHERNETIP1S	RS485 to Ethernet IP interface, for DIN rail mounting. With UL marked PCB, Terminal block, plastic box and labels (if expected).
ETHERCAT1S	RS485 to EtherCAT interface, for DIN rail mounting. With UL marked PCB, Terminal block, plastic box and labels (if expected).
DEVICENET1S	RS485 to DeviceNET interface, for DIN rail mounting. With UL marked PCB, Terminal block, plastic box and labels (if expected).
CANOPEN1S	RS485 to CANOPEN interface, for DIN rail mounting. With UL marked PCB, Terminal block, plastic box and labels (if expected).
FB1SINST	Installation, configuration and testing of Fieldbus Module 1S (RS485 connection cable for fieldbus series, 191750 included). NET PRICE.

Connection Cables

RSCBRJ	RS232/C serial cable - DB9/RJ11 - l=1,5m.
RSCBRJ10M	RS232/C serial cable - DB9/RJ11 - l=10m.
RSCUSB485	USB cable converter PC/RS485, l=1,5m. With metallic PG9 cable gland. To be combined with an indicator fitted with optional or standard RS485 output.
ETHCBRJ	Ethernet cable, l=1,5m. Fitted with fairlead, for connection between indicator and PC network.
191750	Cable,Fieldbus option WE503

Weight Repeaters

GLR100	RS485 alphanumeric repeater with 110 mm multicolour LED display. Complete with 10m RS485 cable with IP67 connector.
DGT100R-1	Weight repeater with 100mm LED display. IP68 stainless steel case, 5-key keypad, air valve for regulating the humidity and the pressure.

Columns, Supports Brackets, Visors

CSP38I-1	AISI 304 stainless steel column 450x450mm, h=917mm, Ø 38mm. For the indicators of the DINI ARGEO and SCALE HOUSE range.
CSP38	Stainless steel column 450x450mm, h=917, Ø 38mm. Painted steel base. For the indicators of the DINI ARGEO and SCALE HOUSE range.
CSP38D	Stainless steel column 350x350mm, h=750mm. Painted steel base. For the indicators of the DINI ARGEO and SCALE HOUSE range.

Options for ATEX Version

Part #	Description
ZBA1S	Intrinsic protection three channel Zener barrier. Specific for connection to load cells, for mounting on DIN rail in a safe area, or in a flame-proof case. Marking: ATEX/IECEx II (1) GD [Ex ia Ga] IIC [Ex ia Da] IIIC. Provided with safety instructions and the ATEX EU declaration of conformity (EN, DE, FR, ES and IT).
KZBA-1	ATEX ABS housing kit with Zener Barrier ZBA1S for load cells. For intrinsically safe weighing systems in a dangerous zone. Dimensions 179x359x166,5mm. Marking of housing + Zener Barrier ZBA1S: ATEX II 3(1)G Ex nA [ia Ga] IIC T4 Gc X for gas, ATEX II 3(1)D Ex tc [ia Da] IIIC T135°C Dc IP66 X for dust. Provided with safety instructions and the ATEX EU declaration of conformity (EN and IT).
KMB4-1	Kit of 3 ATEX Zener barriers for load cells, in an ABS box. For up to 4 load cells of 350 ohm, for intrinsic protection weighing systems in a dangerous area. Marking of the whole box with three Zener barriers: ATEX II 3(1)G Ex nA [ia Ga] IIC T4 Gc (-20°C = Ta = +40°C) for gas, ATEX II 3(1)D Ex tb [ia Da] IIIC T130°C Dc IP65 (-20°C = Ta = +40°C) for dusts. Provided with safety instructions and the ATEX EU declaration of conformity (EN and IT).
DCATEXMB4	ATEX declaration for the whole system with Dini Argeo Zener barriers. Ex II 2G IIC T6 Gb X e Ex II 2D IIIC T125°C Db X system, with label of the whole system, for weight indicator connected to Dini Argeo zener barriers, connected to a mechanical structure with ATEX load cells (each cell must be certified with CCATEX option). Provided with descriptive document of the assembly and ATEX EU declaration of conformity of the assembly (EN and IT).
JB4QA	ATEX equalisation box made of ABS IP67, for up to 4 cells. 4 + 1 fairleads. Marking: ATEX II 2G Ex ib IIC T6 Gb for gases, ATEX II 2D Ex tb IIIC T115°C Db IP65 for dust. Provided with safety instructions and the ATEX EU declaration of conformity (EN, DE, FR, ES and IT).
JB4QAI	ATEX equalisation box made of stainless steel IP66 for up to 4 cells. 4 + 1 fairleads. Marking: ATEX II 2G Ex ib IIC T6 Gb for gases, ATEX II 2D Ex tb IIIC T115°C Db IP65 for dusts. Provided with safety instructions and the ATEX EU declaration of conformity (EN, DE, FR, ES and IT).
EXCB6	Blue shielded cable 6x0.22 mm ² , only for EX i (2GD) assemblies. PVC inner sheath. Tinned copper braid shielding. Polyurethane outer sheath, diameter 5.8 mm. Temperature range: -40 / +80 °C. Minimum bending radius $\geq 7 \times$ O.D. €/m. Maximum orderable length: 100 m (longer lengths available only upon request).

Protection Against Electric Discharges

3590EEP	Single-channel built-in protection card against electric discharges according to IEC 1000-4-5/D (IEC 801-5/D).
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Digital Input / Output

IOEXPBE	Built-in board with 12 OUT and 6 IN (mounting and cable gland excluded). It includes expansion circuit of the power supply range of the indicator (8-40Vdc). NOT COMPATIBLE WITH 3590E4CH AND TPRXT. With UL marked PCB, Terminal block, plastic box and labels (if expected). Note: Accessory that can only be ordered in combination with a suitable weight indicator.
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Analog Output

DAC16OSER	Built-in RS232 / RS485 optoisolated analog output, 0-4/20 mA, 0-10VDC .
DAC160-2	Built-in optoisolated analog output, 0-4/20 mA, 0-10VDC (cable gland excluded). For DFW, 3590 and CPW indicators. Output -10/+10VDC upon request, only at time of order. NOTE: For 3590, IOEXPB option board is required, available depending on the model.

Part # Description**PC Keyboard / Scanner / Connection Cable**

PCKBRD	QWERTY PC keyboard (it needs a mini DIN cable).
SCBTH	Wireless Personal Area Network (WPAN) scanner for 1D / 2D barcodes. Includes recharge base. To be combined with 3590 TOUCH SCREEN weight indicator and WPAN-CL module.
SCBTHP	Pocket Wireless Personal Area Network (WPAN) scanner for 1D / 2D barcodes. Equipped with USB cable for recharge. To be combined with 3590 TOUCH SCREEN weight indicator and WPAN-CL module.
SCCDR2-1	1D optical barcode reader with stand. Power cable and RS232 communication cable with weight indicator and stainless steel cable gland included.
SC2D	1D/2D optical barcode reader with stand. Power cable and RS232 communication cable with weight indicator and stainless steel cable gland included.

PG Cable Glands

PG7M	10 PG7 metallic cable gland set for weight indicators. Complete with rings and gaskets.
PG9M	10 PG9 metallic cable gland set for weight indicators. Complete with rings and gaskets.
PG9PG11C	Kit of 10 metallic IP68 from PG9 to PG11 adapters (ø max cable 12mm)
PG9PG13C	Kit of 10 metallic IP68 from PG9 to PG13 adapters (ø max cable 12mm)

Remote Control

TLRP	Radio frequency remote control and receiver with extension, for installations where other option boards with connection to AMP are required.
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Other Options

TECSUP	Technical assistance by telephone upon request.
UMAN	Printed user manual (Free download from the website).
TECMAN	Printed technical manual (Free download from the website).
ECEMDOC	Printed EU declaration of conformity, EU certificate of verification, test certificate and metrological book (free download from our website, only for approved CE-M products). NET €.

**Dini Argeo S.r.l. | Via della Fisica, 20 - 41042, Spezzano di Fiorano, Modena (MO), Italy | Tel.:
+39 0536 843418**

www.diniargeo.com