DINI ARGEO

A RICE LAKE WEIGHING SYSTEMS COMPANY

3590EGT8

"3590EGT8" 8 inches Touch Screen weight indicator

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. CEM approvable (OIML R76/EN 45501, OIML R-51 - OIML R-61 - MID for dynamic check weigher AWI).

Working in cooperation with:

TEMLOGICA LDA AUTOMAÇÃO E SISTEMAS DE MEDIDA IND. UNIP

RUA D. PEDRO V 32 - 2690-373 - SANTA IRIA DE AZÓIA - PORTUGAL
Tel. 00351 915005755
geral@temlogica.pt

The best solution for advanced industrial applications

TECHNICAL 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 µV/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.

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)

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.

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
- 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)
- BATCH-R61: Single product dosage systems in loading and unloading

LANGUAGES AVAILABLE

- 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

IDEAL FOR DIGITAL APPROVED WEIGHBRIDGES

- 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
  Dini Argeo RCD
  Rice Lake RL5416D/RL5426D
  Sensocar SP/CS
  Scaime CB50X-DL
  Flintec RC3D
  HBM C16i (requires HBM junction box and RS422\RS485 converter)

  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..

CUSTOMIZABLE SCREENS

- Thanks to the customizable touch screen display, it is possible to create suitable interfaces for any application:

- The PC software “Dini Display Tool” allows the quick customization of the TOUCH display.

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

DETAIL 1

Rear panel configured for extra outputs

DETAIL 2

High brightness LED crosslight.

DETAIL 3

STAINLESS steel inclination adjustment system

www.diniargeo.com

DINI ARGEO FRANCE sarl	DINI ARGEO GMBH	DINI ARGEO UK Ltd	DINI ARGEO WEIGHING INSTRUMENTS Ltd	DINI ARGEO OCEANIA
France	Germany	United Kingdom	China	Australia

DINI ARGEO
A RICE LAKE WEIGHING SYSTEMS COMPANY

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

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SALES AND TECHNICAL ASSISTANCE SERVICE

All the specifications and images can be subject to variations and upgrades without prior notice.