

## 3590-HGX

3590EGT HYGIENX: new stainless steel touchscreen weight indicator for environments with high hygiene requirements



The 3590 HYGIENX weight indicator with touchscreen display and advanced weighing program is distinguished by its rugged **AISI 316 stainless steel case** and **IP68 and IP69K** protection ratings, which ensure fast and deep sanitization with high-temperature and high-pressure water jets.

In the chemical industry, as in the pharmaceutical and food industries, it is necessary to ensure thorough cleaning and exclude any risk of chemical, physical or bacterial contamination.

3590EGT HYGIENX offers traceability, data entry, database, wireless weighing storage and transmission functions according to Industry 4.0 requirements.

CE-M approved (OIML R-76/EN 45501).

Working in cooperation with:

**E H OAKLEY LIMITED**

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**The best solution  
for advanced industrial  
applications**



## MAIN FEATURES

- Touchscreen backlit graphic display , dimensions l x h = 120 x 90 mm.
- Multilanguage software.
- Waterproof alphanumeric keyboard with 15 keys.
- Traffic light with 3 colors.
- Touchscreen keyboard type QWERTY, AZERTY or QWERTZ, selectable.
- AISI 316 stainless steel case.
- IP68/IP69K certification against water, dust and high pressure hot water jets.
- Dimensions: 280x143x185 mm.
- Suitable for use on a table, column or wall.
- Calendar clock and permanent data memory.
- Alibi Memory as standard, integrated on the motherboard.
- Internal micro SD slot (optional) for saving logos.
- Functions available with DiniTools utilities:
  - Configuration, data entry and print formatting.
  - Storage and archiving of all information on PC.
  - Complete configuration back-up.
  - Customization of displays.
- A/D converter 24 bit, 4 channels, up to 3200 conv./sec. with autoselect and up to 8 signal linearization points.
- 4 independent analogue channels for reading the weight.
- Management of up to 16 analogue load cells of 350 Ohm (45 cells at 1000 Ohm).
- Max. 10.000e or multirange 3 x 3000e @ 0,3 µV/e in CE-M approved version.
- Max. 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 printing formats.
- 110-240 Vac power supply through a 1.5 m cable with Shuko socket.

## APPLICATION SOFTWARE

- SUPPLIED AS STANDARD:
- AF01: Totalization and formula weighing

### OPTIONAL:

- AF02: Pieces/quantity counting
- AF04: Statistical checking of prepackaged goods
- AF05: Price computing and industrial labelling
- 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, it is possible to create completely customized applications:
  - Guided procedures, messaging for the operator
  - Management of serial ports, customization of protocols
  - Complete management of digital I/O
  - Sequential or simultaneous automations
  - Data entry, customized archives

Dini Argeo also offers the service of development of customized programs, by estimate.

## GMP-COMPLIANT PRODUCT

- This product is a weighing instrument of high quality and precision, designed and manufactured for use in the food, chemical and pharmaceutical industries. It is manufactured according to GMP (Good Manufacturing Practices) standards, in stainless steel, with specific surface treatment and other construction features required in food, chemical and pharmaceutical environments.

## MAIN CERTIFICATIONS

- EU Type Examination Certificate (45501:2015)
- OIML R76
- OIML R51 - MID
- Australian legal for trade certificate of approval (NMI S788)
- IP68 and IP69K protection rating

## I/O SECTION

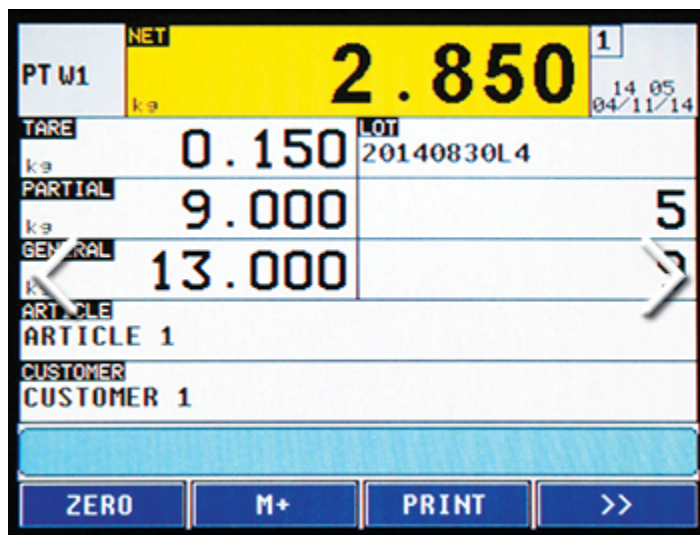
- 2 RS232 serial ports, for connection to printer, PC or PLC, radio module and optional interfaces.
- 1 RS232 serial port (RS485 optional), for connection to repeater, remote scale, badge reader or digital load cells.
- Modbus RTU interface as standard.
- Analog output configurable (4-20 mA, 0-20 mA or 0-10 V), needs IOEXPB expansion board.
- Standard keyboard emulation input, for connection to barcode/badge readers or external PC keyboard, through cable with mini DIN connector (optional).

Optionals:

- 4 optoisolated outputs.
- 2 optoisolated inputs.
- Profibus or modbus TCP interface.
- External Profinet, Ethernet/IP, EtherCAT, CANopen or DeviceNet interface (optional, only with AF01 standard weighing program).
- Bluetooth connection, for fast wireless programming of the archives, through PC, tablet or smartphone.

## COMPLETELY CUSTOMIZABLE SCREENS

- Thanks to the programmable touchscreen 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 touchscreen display.

## DETAIL 1





[www.diniargeo.com](http://www.diniargeo.com)

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**SALES AND TECHNICAL ASSISTANCE SERVICE**