

Modularity

Extendable using 4 removable cartridges without the need to manipulate the inside of the device.

Weight cartridge

The device's metrological data and seals are located in this cartridge.

Software

Intelligent software that detects the modules installed when starting the device.







Technical and Metrological Characteristics

Approved according to OIML R76 and EN 45501

32-bit microprocessor

24-bit A/D Converter (1,000,000 Internal div.)

Weight processing via adaptive filters

Real time clock

Isolated RS232 Communications Port

Accuracy class

Maximum number of verification scale intervals 10000

Minimum input voltage per verification scale interval 0,6 µV

Max. signal voltage for dead load 10mV

Voltage of the measuring range 5mV - 15mV

Load Cell power supply 5V

Minimum load cell impedance 40 Ω

Maximum temperature range -10°C a 40°C

Electromagnetic Susceptibility 10V/m

Electrical Power Supply Characteristics

Wide range of supply voltages: 80 - 264 VAC

Very low consumption: 1,2W (LED) - 0,9W (LCD)

ON/OFF key



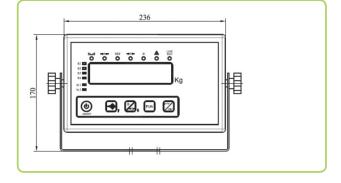


Options

- Internal Battery
 - Gives the device autonomy of up to 42 hours (50 hours in the LCD version).
 - Automatic loading by connecting the device to the power supply.
 - Automatic switching between the external power supply mode and battery mode.
 - Gives the device the possibility of supporting power cuts of up to 42 hours.
- IP-65 waterproof according to standards.
- DSD memory Up to 500,000 records.
- Micro SD card reader.
- Allows the device to make back-ups of the data contained in the DSD memory or register regular events of internal variables of the device.
- Bi scales.

Software

- 32-bit microprocessor
- 24-bit A/D Converter (1,000,000 Internal div.)
- Weight processing via adaptive filters
- Calibration and Self-Calibrating
- Programmable and flexible multi-range
- Load Cell linearization (up to 16 sections)
- Functions:
 - · Weight-Tare-Accumulation
 - · Manual Tare
 - · Piece Counting
 - · Dynamic and animal weighing
 - · Dosage and filling
 - · Discharge with tickets with Gross-Tare-Net
 - · Limiter (maximum, minimum, window)
 - · Semaphore
 - · Accumulation of weighings
 - Communication via serial port with more than 50 selectable protocols
 - · Real-time clock management
 - Possibility of regularly recording different variables of the device
 - Communication with PC for data dump and device confiquration
 - 6 possible languages: Spanish, English, Portuguese, French, Italian and German.
 - · Configurable ticket printing
 - · Label printing
 - · Permanent updating of standard programmes
 - Possibility of providing "Tailor-made software" to suit your needs
 - · Reloading programmes via serial port



Different cartridge options

Weight cartridge

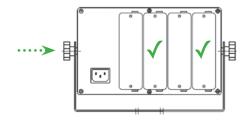
Connection to analogue cells





Connection to digital cells





CPU Cartridge (Different Options)



Printers, Labelling machines, PC, PLC, et Via RS-232 / RS-485 o



Connection to PC via USB Allows a PC keyboard to be



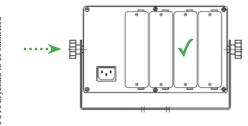
RS-485 communication Allows a PC keyboard to be connected Connection via RS-232 RS-485



Connection to Printers, Labelling machines, PC, PLC, etc... Via RS-232







2 Serial Ports

1 Serial Port + USB DEVICE + USB HOST

2 Serial Ports + USB HOST

1 Serial Port

1 Serial Port + USB DEVICE

1 Serial Port + USB HOST

Input/Output Cartridge (Different Options)

4 Relays + 2 Inputs + 1 Analogue Output

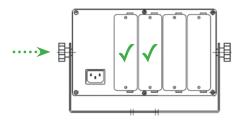


Adds to the device 4 output relays, 2 voltage-free contact inputs and 1 analogue output of 4-20mA or 0-10V (selectable). Allows the devices to dose, limit loads, indicate semaphores, etc. and monitor the weight value via its analogue output.

8 Relays + 4 Inputs



Adds to the device 8 output relays and 4 voltage-free contact inputs. Allows the devices to dose, limit loads, indicate semaphores, etc.



Cartridge VIA RADIO

433 MHz RADIO Cartridge

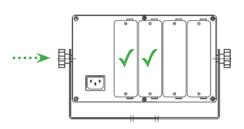


Allows the devices to be interconnected VIA RADIO on the 433 MHz band. Compatible with SC-x devices Point-to-Point connection

868 MHz RADIO Cartridge



Allows the devices to be interconnected VIA RADIO on the 868 MHz band. Connection to viewers and Radio Cells Multi-point Connection



ETHERNET/Wi-Fi Cartridge

ETHERNET Cartridge



Allows connection to Local Network Ethernet 10/100 Mbps

ETHERNET + Wi-Fi Cartridge



Allows connection to Local Network Ethernet 10/100 Mbps Wi-Fi Networks (802.11 b/g)

