

ELECTRONIC INSTRUMENTATION



WEIGHT TRANSMITTERS

WEIGHT INDICATORS

WEIGHBRIDGE INDICATORS

INTELLIGENT JUNCTION BOXES

WEB SERVER MASTER

“Made in Italy” Electronic Instruments for weighing and batching

LAUMAS produces Weight Indicators and Transmitters for PC/PLC connection to the most important international brands (Siemens, Rockwell Automation, Allen-Bradley, B&R Automation, Omron, Beckhoff, Schneider, Panasonic, Mitsubishi, Bosch Rexroth, Vipa, ABB, etc.) through the main fieldbuses on the market (Modbus RTU, Modbus TCP, PROFIBUS DP, PROFINET IO, Ethernet/IP, Ethernet TCP/IP, EtherCAT, POWERLINK, DeviceNet, CANopen, CC-Link, SERCOS III, etc.).

The wide range of products and components for industrial weighing systems is designed to be in compliance with the most relevant industry standards and is certified by the most established national and international bodies.

Certifications



PRODUCTION QUALITY ASSURANCE CERTIFICATION for non-automatic weighing instruments, issued by Italian Ministry of Economic Development (EN45501:2015 - Directive 2014/31/EU - OIML R76:2006).



OIML R61/R76 - International Organization of Legal Metrology



ATEX/IECEx - Directive 2014/34/EU - for use in potentially explosive atmosphere.



NTEP - compliant to the metrological standards of United States and Canada



EAC - conforme aux normes de l'Union Douanière Eurasienne (Russie, Biélorussie, Kazakhstan)



“UL RECOGNIZED COMPONENT” - This Certificate indicates that the component meets UL requirements in accordance with the U.S. and Canadian standards.



IP69K - watertight protection against dust and water.

WEIGHT TRANSMITTERS

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TLB Series

WEIGHT TRANSMITTERS



MODBUS RTU



SPACE SAVING COMPACT DESIGN



- Weight transmitter/indicator with six-digit red LED display (8 mm height). Space saving compact design. Four buttons for the system calibration. Six indicator LED.
- Dimensions: 25x115x120 mm.
- RS485 port (Modbus RTU/Laumas ASCII protocol).
- 2 logic inputs, 3 relay outputs.
- Back panel mounting on Omega/DIN rail.

Optional:

- Alibi memory

Certifications:

OIML R76:2006, class III, 10000 divisions 0.2 μ V/VSI
OIML R61 - WELMEC Guide 8.8:2011 (M.I.D.)

On request:

GOST-R - Russia
UL Recognized component - United States and Canada
NTEP - n_{max} 5000 - Class III - United States and Canada

European Community registered design.



TLB485

- Standard version



TLB

- 16-bit analog output:
0/4-20 mA; 0-5/10 V; \pm 5/10 V



TLB CANOPEN



- Slave CANopen port, max 99 instruments



TLB DEVICENET



- Slave DeviceNet port, max 64 instruments



TLB CC-LINK



- Slave CC-Link port, max 64 instruments



TLB PROFIBUS



- Slave PROFIBUS DP port (max 32 instruments without line repeaters; max 126 instruments with line repeaters).



TLB PROFINET IO



- Slave PROFINET IO port



TLB ETHERNET/IP



- Slave Ethernet/IP port



TLB MODBUS/TCP



- Slave Modbus/TCP port



TLB ETHERNET TCP/IP



- Ethernet TCP/IP port for remote management (connectable to your PC, smartphone, tablet, etc. via web)



TLB ETHERCAT



- Slave EtherCAT port



TLB POWERLINK



- Slave POWERLINK port



TLB SERCOS III



- Slave SERCOS III port

TLM8 Series

WEIGHT TRANSMITTERS - 8 INDEPENDENT READING CHANNELS



MODBUS RTU



IP67 polycarbonate box version with transparent cover;
Dimensions: 185x185x130 mm;
8+3 cable glands-plugs.



Version with 8+3 PVC end fittings.



- Weight transmitter/indicator with backlit graphic LCD display, transmissive STN, white on blue, 128x64 pixel resolution, 60x32 mm visible area. Five-key keypad for the system calibration.
- Dimensions: 148x92x60 mm.
- 16-bit analog output: 0/4-20 mA; 0-5/10 V; $\pm 5/10$ V.
- RS485 port (Modbus RTU/Laumas ASCII protocol).
- 3 logic inputs, 5 logic relay outputs.
- Omega/DIN rail mounting suitable for back panel or junction box.
- Weighing system with 8 independent reading channels for load cells.
- RS485 (Modbus RTU)/fieldbus transmission of the divisions for the 8 independent reading channels.
- Digital equalization of the 8 channels.
- Detailed diagnostics of the 8 channels.
- Load distribution synoptic analysis on 8 channels with backups archive: storing, retrieving, printing.
- Load distribution automatic monitoring on 8 channels.
- Significant events archive (zeroing, calibration, equalization, alarms): storing, retrieving, printing.
- TEST key for direct access to the diagnostic functions.

Optional:

- Additional RS485 port
- Alibi memory
- IP67 box version

Certifications:

OIML R76:2006, class III, 10000 divisions 0.2 μ V/VSI

On request:

GOST-R - Russia

UL Recognized component - United States and Canada

TLM8

- Standard version

TLM8 ETHERNET/IP

- Slave Ethernet/IP port



TLM8 CANOPEN

- Slave CANopen port, max 99 instruments



TLM8 MODBUS/TCP

- Slave Modbus/TCP port

MODBUS/TCP

TLM8 DEVICENET

- Slave DeviceNet port, max 64 instruments



TLM8 ETHERNET TCP/IP

- Ethernet TCP/IP port for remote management (connectable to your PC, smartphone, tablet, etc. via web)

ETHERNET TCP/IP

TLM8 CC-LINK

- Slave CC-Link port, max 64 instruments



TLM8 ETHERCAT

- Slave EtherCAT port

EtherCAT

TLM8 PROFIBUS

- Slave PROFIBUS DP port (max 32 instruments without line repeaters; max 126 instruments with line repeaters).



TLM8 POWERLINK

- Slave POWERLINK port

ETHERNET
POWERLINK
certified product

TLM8 PROFINET IO

- Slave PROFINET IO port



TLM8 SERCOS III

- Slave SERCOS III port

SERCOS
interface

CLM8 Series

INTELLIGENT JUNCTION BOXES - 8 INDEPENDENT READING CHANNELS

- Intelligent junction box with backlit alphanumeric LCD display, 38x16 mm visible area, two-line by eight-digit (5 mm height). Four-key keypad for the system calibration.
- RS232 and RS485 port (Modbus RTU/Laumas ASCII protocol).
- Detailed diagnostics of each load cell (max 8).
- Instant anomalies report (also on the connected indicator display).
- Digital equalization of the 8 channels.
- Load distribution analysis on 8 channels with backups archive: storing, retrieving, printing
- Load distribution automatic monitoring on 8 channels.
- Significant events archive (zeroing, calibration, equalization, alarms): storing, retrieving, printing.
- Lightning and electrical shock protection device.

Optional:

- Alibi memory
- Ethernet TCP/IP port for remote management (connectable to your PC, smartphone, tablet, etc. via web)

Certifications:

OIML R76:2006, class III, 10000 divisions 0.4 μ V/VSI

On request:

GOST-R - Russia



CLM8INOX

- IP67 AISI 304 stainless steel version;
- Dimensions 200x148x45 mm;
- 8 channels, 8+2 cable glands-plugs.



CLM8

- Omega/DIN rail mounting version suitable for back panel or junction box;
- Dimensions: 125x92x52 mm;
- 8 channels.



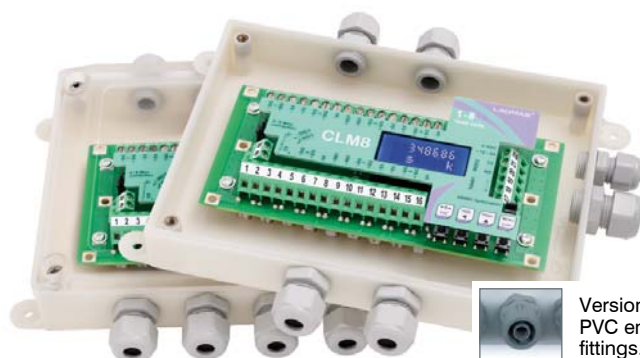
CLM8I

- Naked version, board only;
- Dimensions: 151x72x30 mm;
- 8 channels.



CLM4ABS-R / CLM8ABS-R

- IP67 ABS version with transparent cover;
- Dimensions 210x130x40 mm;
- 8/4 channels, 8/4+2 cable glands-plugs;
- 8/4 channels, 8/4+2 PVC end fittings.



Version with PVC end fittings.

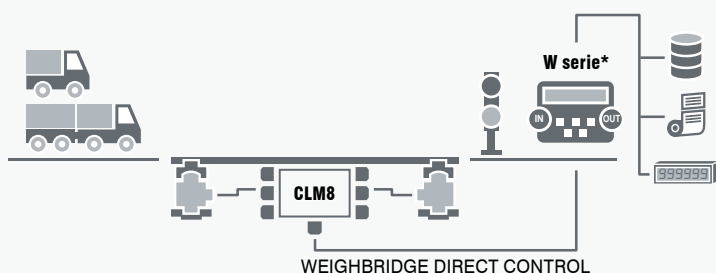
CASTL/-8/-PG9/-GUA

- IP67 polycarbonate boxes with transparent cover;
- Dimensions 170x140x95 mm;
- 8/4 channels, 8/4+2 cable glands-plugs;
- 8/4 channels, 8/4+2 PVC end fittings.



Version with PVC end fittings.

EXAMPLE OF WEIGHBRIDGE APPLICATION



*graphic display indicators excluded

TLS Series

WEIGHT TRANSMITTERS

- Weight transmitter/indicator with six-digit red LED display (8 mm height). Four-key keypad for the system calibration. Six indicator LED.
- Dimensions: 123x92x50 mm.
- RS485 port (Modbus RTU/Laumas ASCII protocol).
- 2 logic inputs, 2 optorelays logic outputs.
- Omega/DIN rail mounting suitable for back panel or junction box.

Optional:

- Box versions: IP67, IP67 ATEX II 3GD

Certifications on request:

GOST-R - Russia

UL Recognized component - United States and Canada



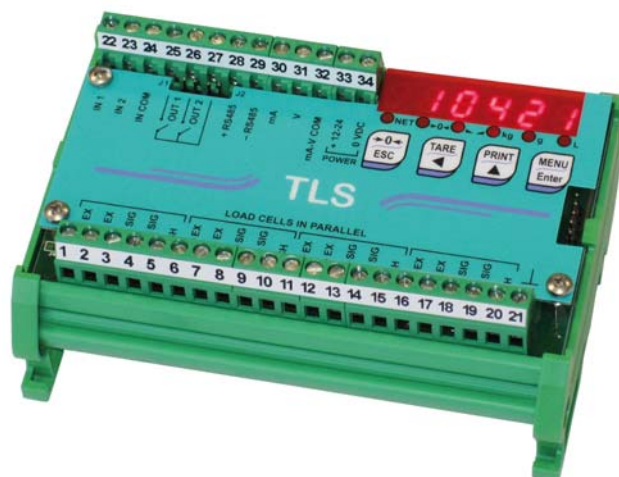
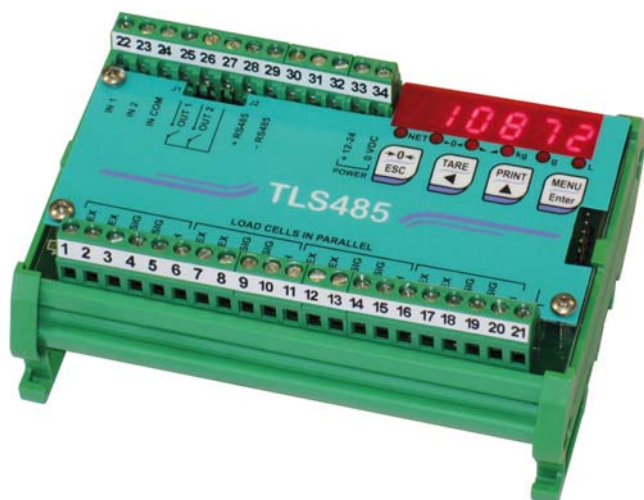
MODBUS RTU

TLS

- 16-bit analog output: 0/4-20 mA; 0-5/10 V; $\pm 5/10$ V

TLS485

- Standard version



IP67 VERSION

IP67 VERSION WITH KEYPAD

IP67 ATEX II 3GD VERSION



THFPROFI

WEIGHT TRANSMITTER

- Weight transmitter/indicator with six-digit red LED display (11 mm height). Four-key keypad for the system calibration. Six indicator LED.
- Dimensions: 148x92x50 mm.
- Slave PROFIBUS DP port (max 32 instruments without line repeaters; max 126 instruments with line repeaters).
- RS485 port (Modbus RTU/Laumas ASCII protocol).
- 1 logic input, 1 relay output.
- Omega/DIN rail mounting suitable for back panel or junction box.

Optional:

- Alibi memory
- Box versions: IP67, IP67 ATEX II 3GD

Certifications:

OIML R76:2006, class III, 10000 divisions 0.2 μ V/VSI

OIML R61 - WELMEC Guide 8.8:2011 (M.I.D.)

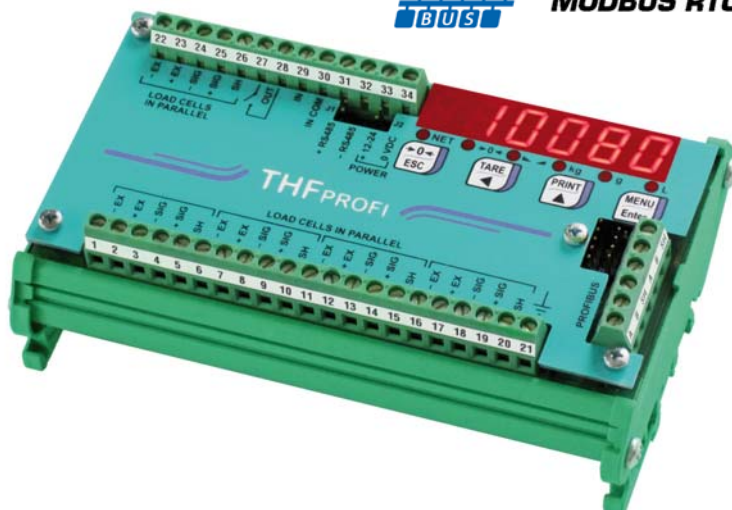
On request:

GOST-R - Russia

UL Recognized component - United States and Canada



MODBUS RTU



IP67 VERSION

IP67 VERSION WITH KEYPAD

IP67 ATEX II 3GD VERSION



TLE

WEIGHT TRANSMITTER

- Weight transmitter with backlit alphanumeric LCD display, 38x16 mm visible area, two-line by eight-digit (5 mm height).
- Dimensions: 90x95x60 mm.
- 16-bit analog output: 0/4-20 mA; 0-5/10 V; $\pm 5/10$ V.
- RS485 port (Modbus RTU).
- Simple zero setting and full scale through digital rotary control (Encoder).
- Omega/DIN rail mounting suitable for back panel or junction box.
- The display visualizes the input's mV value and the analog output value in V or mA.

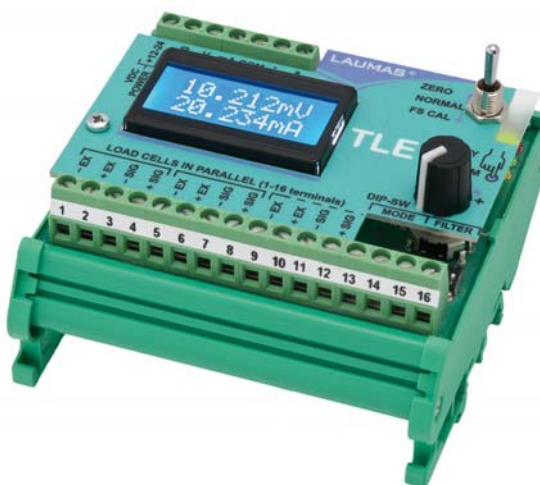
Optional:

- Box versions: IP67, IP67 ATEX II 3GD

Certifications on request:

GOST-R - Russia

UL Recognized component - United States and Canada



IP67 VERSION



IP67 ATEX II 3GD VERSION



TLL - TLU

WEIGHT TRANSMITTERS

- Weight transmitter/indicator with six-digit red LED display (8 mm height). Four-key keypad for the system calibration. Six indicator LED.
- Dimensions: 123x92x50 mm.
- RS232 and RS485 port (Modbus RTU/Laumas ASCII protocol).
- 2 logic inputs, 4 relay outputs.
- Omega/DIN rail mounting suitable for back panel or junction box.

Optional:

- Box versions: IP67, IP67 ATEX II 3GD
- 16-bit analog output: 0/4-20 mA; 0-5/10 V; $\pm 5/10$ V

Certifications on request:

GOST-R - Russia

UL Recognized component - United States and Canada



MODBUS RTU

TLL

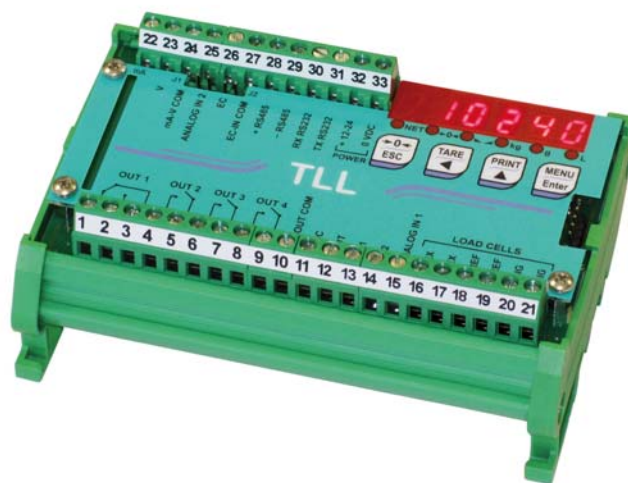
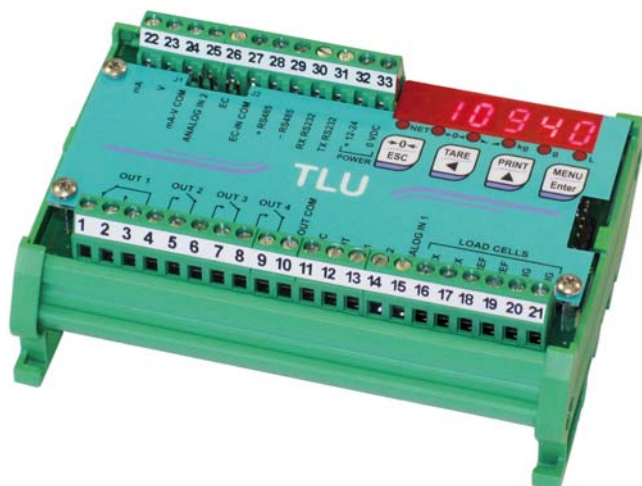
WEIGHT TRANSMITTER

- Synchronous weight transmission for PLCs without serial port

TLU

LOAD LIMITING DEVICE / INDICATOR

- Suitable for lifting systems
- Load cells connections continuous check



IP67 VERSION

IP67 VERSION WITH KEYPAD

IP67 ATEX II 3GD VERSION



WEBLAU

WEB SERVER MASTER (REMOTE MAINTENANCE)

for W and TLB series instruments

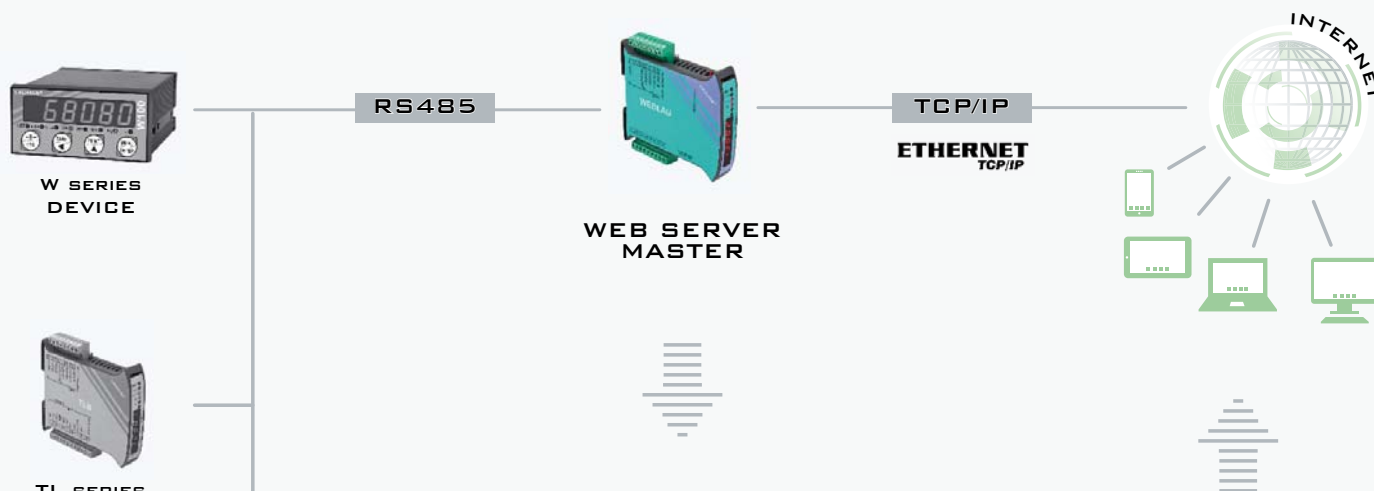
max 8 instruments via RS485

The **WEBLAU** device is a useful support for all installers/dealers of Laumas weighing instruments as **it makes easier the remote maintenance**, allowing to control wherever, the status of the instruments connected to RS485 including the possible anomalies.

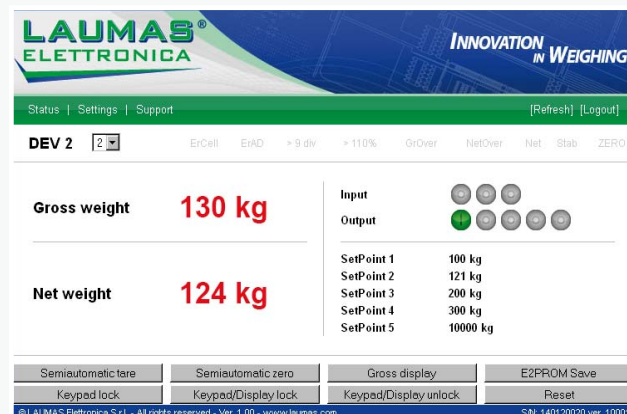


- Web server master with six-digit red LED display (8 mm height). Space saving compact design. Four buttons.
- Dimensions: 25x115x120 mm.
- Ideal for supervision, management and remote control of the W series weight indicators and TLB series weight transmitters (max 8 instruments).
- RS485 port (Modbus RTU).
- Ethernet TCP/IP port for remote management (connectable to your PC, smartphone, tablet, etc. via web).
- Back panel mounting on Omega/DIN rail.

OPERATING DIAGRAM



INTEGRATED SOFTWARE FOR REMOTE MANAGEMENT



ETHERNET TCP/IP PORT FOR REMOTE MANAGEMENT VIA INTERNET BY PC, SMARTPHONE OR TABLET

Main functions:

- Net weight, gross weight and alarms displaying
- Setpoint setting
- Inputs/outputs check and management

W100

WEIGHT INDICATOR

- Weight indicator in DIN case, dimensions 48x96x130 mm. IP54 front panel protection (IP65 optional). Four-key membrane keyboard. Eight indicator LED.
- Panel mounting.
- Six-digit red LED display (14 mm height).
- RS232 and RS485 ports (Modbus RTU/Laumas ASCII protocol).
- 3 logic inputs, 5 relay outputs.

Optional:

- 16-bit analog output: 0/4-20 mA; 0-5/10 V; $\pm 5/10$ V
- Alibi memory
- Additional RS485 port

Certifications:

OIML R76:2006, class III, 10000 divisions $0.2 \mu\text{V/VS}$
OIML R61 - WELMEC Guide 8.8:2011 (M.I.D.)

On request:

GOST-R - Russia
UL Recognized component - United States and Canada



MODBUS RTU

METRIC LABEL SUPPORT
124x77x1.5 mm



WDESK-LIGHT

WEIGHT INDICATOR

- Weight indicator in ABS, dimensions 122x226x164 mm. IP67 protection rating. Six-key membrane keyboard. 46 indicator symbols.
- Possible installations: wall, column, desk.
- Six-digit backlit LCD display (20 mm height).
- RS232 and RS485 ports (Modbus RTU/Laumas ASCII protocol).
- 2 logic inputs, 2 relay outputs.

Optional:

- Alibi memory
- Power supply with internal rechargeable 12 V 2.2 Ah battery

Certifications:

OIML R76:2006, class III, 10000 divisions $0.2 \mu\text{V/VS}$
OIML R61 - WELMEC Guide 8.8:2011 (M.I.D.)

On request:

GOST-R - Russia
UL Recognized component - United States and Canada

European Community registered design.

Patent pending.

PATENT
Pending

European
Community
Registered
Design



PG9 CABLE GLANDS



MODBUS RTU

WALL MOUNTING WITH
STAINLESS STEEL
ADJUSTABLE BRACKET



COLUMN MOUNTING
WITH ABS ADJUSTABLE
BRACKET



WDOS

WEIGHING AND BATCHING

WEIGHT INDICATOR

- Weight indicator in DIN case, dimensions 96x96x130 mm. IP54 front panel protection (IP65 optional). Ten-key membrane keyboard. Eight indicator LED.
- Panel mounting.
- Multiprogram: single loading/unloading and multi-product batchings, max 99 formulas.
- Backlit graphic LCD display, 60x32 mm, 128x64 pixel.
- Six-digit red LED display (10 mm height).
- RS232 and RS485 ports (Modbus RTU/Laumas ASCII protocol).
- 3 logic inputs, 5 relay outputs.

Optional:

- Data storage on USB pen drive
- 16-bit analog output: 0/4-20 mA; 0-5/10 V; $\pm 5/10$ V
- Alibi memory
- Additional RS485 port
- Fieldbuses: Profibus DP, DeviceNet, CANopen, Profinet IO, Modbus/TCP, Ethernet/IP, Ethernet TCP/IP for remote management (connectable to your PC, smartphone, tablet, etc. via web)

Certifications:

OIML R76:2006, class III, 10000 divisions $0.2 \mu\text{V/VS}$
OIML R61 - WELMEC Guide 8.8:2011 (M.I.D.)

On request:

GOST-R - Russia
UL Recognized component - United States and Canada



MULTILINGUAL
SOFTWARE

MODBUS RTU

PROFIBUS

DeviceNet

CANopen

PIV

MODBUS/TCP

EtherNet/IP

ETHERNET
TCP/IP

ETHERNET PORT



USB PORTS



W200 Series

WEIGHING AND BATCHING

WEIGHT INDICATORS

- Weight indicator in DIN case, dimensions 96x96x130 mm. IP54 front panel protection (IP65 optional). Five-key membrane keyboard. Eight indicator LED.
- Possible installations: panel, wall (W200BOX-EC)
- Multiprogram: single loading/unloading and multi-product batchings, max 99 formulas.
- Six-digit red LED display (14 mm height).
- RS232 and RS485 ports (Modbus RTU/Laumas ASCII protocol).
- 3 logic inputs, 5 relay outputs.

Optional:

- Data storage on USB pen drive
- 16-bit analog output: 0/4-20 mA; 0-5/10 V; $\pm 5/10$ V
- Alibi memory
- Additional RS485 port
- Fieldbuses: Profibus DP, DeviceNet, CANopen, Profinet IO, Modbus/TCP, Ethernet/IP, Ethernet TCP/IP for remote management (connectable to your PC, smartphone, tablet, etc. via web)

Certifications:

OIML R76:2006, class III, 10000 divisions 0.2 μ V/VS1
OIML R61 - WELMEC Guide 8.8:2011 (M.I.D.)

On request:

GOST-R - Russia

UL Recognized component - United States and Canada



MODBUS RTU

PROFI BUS

DeviceNet

CANopen

PI

MODBUS/TCP

EtherNet/IP

ETHERNET TCP/IP

ETHERNET PORT



USB PORTS



W200 series weight indicator into IP67/IP64 box

- Polycarbonate box, dimensions 170x140x95 mm, four fixing holes $\varnothing 4$ mm, 6 PG9 cable glands.
- Five-key membrane keyboard. Eight indicator LED.
- Wall mounting.



W200BOX



W200BOXEC

External switch for formula selection (EC option), Start and Stop buttons.

ATEX II 3GD VERSION WITH 6 CABLE GLANDS



VERSION WITH 6 PVC END FITTINGS



W200 series weight indicator into explosion proof box

The system is composed of:

- Explosion proof box, ATEX II 2(1) GD approved, provided with heat-resistant transparent tempered glass window and 5 external buttons which performs the same functions as W200 keyboard.
- W200 series weight indicator.
- Passive fail-safe Zener barriers, ATEX II (1) GD approved.



ADPEW200

PROG-DB

SOFTWARE FOR DATA STORAGE ON PC

The software enables managing via PC any data (performed weighings, batching data, alarms) coming from the following weight indicators series: W200, WDOS, WDESK, WINOX, WTAB.

The stored data can be consulted, printed out, used to carry out searches and exported in CSV.

USB KEY INCLUDED



Multilanguage software included in the supply of OPZWDATIPC and OPZWUSB options.

Data transfer from the instrument to the PC can take place in two ways:

- via USB key (OPZWUSB option)
- in serial mode (OPZWDATIPC option): RS232 or RS485 via converter

WDESK Series

WEIGHING AND BATCHING

WEIGHT INDICATORS



MODBUS RTU



- Weight indicator in ABS, dimensions 122x226x164 mm. IP67 protection rating.
- Different versions for various types of electrical connections: cable glands, D-SUB connectors, removable terminal.
- Possible installations: wall, panel, column, desk.
- Multiprogram: single loading/unloading and multi-product batchings, max 99 formulas.
- RS232 and RS485 ports (Modbus RTU/Laumas ASCII protocol).
- 3 logic inputs, 5 relay outputs.

Optional:

- Weight radio transmission (Wi-Fi)
- Data storage on USB pen drive
- 16-bit analog output: 0/4-20 mA; 0-5/10 V; $\pm 5/10$ V
- Alibi memory
- Additional RS485 port
- Eight rechargeable batteries type AA 1.2 V
- Fieldbuses: Profibus DP, DeviceNet, CANopen, Profinet IO, Modbus/TCP, Ethernet/IP, Ethernet TCP/IP for remote management (connectable to your PC, smartphone, tablet, etc. via web)

Certifications:

OIML R76:2006, class III, 10000 divisions 0.2 μ V/VS1
OIML R61 - WELMEC Guide 8.8:2011 (M.I.D.)

On request:

GOST-R - *Russia*
UL Recognized component - *United States and Canada*

European Community registered design.

Patent pending.

PATENT
Pending

European
Community
Registered
Design

WDESK-G

- Backlit graphic LCD display, 133x39 mm, 240x64 pixel.
- 21-key membrane keyboard.
- Statistical checking of prepackages.

Optional:

- Barcode reader and PC keyboard management via USB



WDESK-L

- Six-digit backlit LCD display (20 mm height).
- Six-key membrane keyboard. 46 indicator symbols.



WDESK-R

- Six-digit red LED display (20 mm height).
- Six-key membrane keyboard. 16 indicator LED.

PG9 CABLE GLANDS



ETHERNET PORT



USB PORT



PANEL VERSION
extractable terminal board



IP40 VERSION
WITH D-SUB CONNECTORS



IP65 VERSION WITH NICKEL-PLATED
CIRCULAR CONNECTORS.



IP67 ATEX II 3GD VERSION



PANEL MOUNTING



WALL MOUNTING WITH
STAINLESS STEEL
ADJUSTABLE BRACKET



COLUMN MOUNTING
WITH ABS ADJUSTABLE
BRACKET

WINOX Series

WEIGHING AND BATCHING

WEIGHT INDICATORS

- Weight indicator in AISI 304 stainless steel, dimensions 206x286x108 mm, stainless steel adjustable bracket included (overall dimensions: 206x290x187 mm). IP68 protection rating (IP69K optional).
- Different versions for various types of electrical connections: cable glands, D-SUB connectors, removable terminal.
- Possible installations: wall, panel, column, desk.
- Multiprogram: single loading/unloading and multi-product batchings, max 99 formulas.
- RS232 and RS485 ports (Modbus RTU/Laumas ASCII protocol).
- 3 logic inputs, 5 relay outputs.

Optional:

- IP69K protection rating
- Weight radio transmission (Wi-Fi)
- Data storage on USB pen drive
- 16-bit analog output: 0/4-20 mA; 0-5/10 V; $\pm 5/10$ V
- Alibi memory
- Additional RS485 port
- Power supply with internal rechargeable 12 V 2.2 Ah battery.
- Fieldbuses: Profibus DP, DeviceNet, CANopen, Profinet IO, Modbus/TCP, Ethernet/IP, Ethernet TCP/IP for remote management (connectable to your PC, smartphone, tablet, etc. via web)

Certifications:

OIML R76:2006, class III, 10000 divisions 0.2 μ V/VS1
OIML R61 - WELMEC Guide 8.8:2011 (M.I.D.)

On request:

GOST-R - Russia

UL Recognized component - United States and Canada

European Community registered design.



MODBUS RTU

MULTILANGUAGE
SOFTWARE



Standard version
with stainless steel adjustable bracket

WINOX-2G

- Backlit graphic LCD display, 128x75 mm, 240x128 pixel.
- 27-key membrane keyboard.
- Statistical checking of prepackages.

Optional:

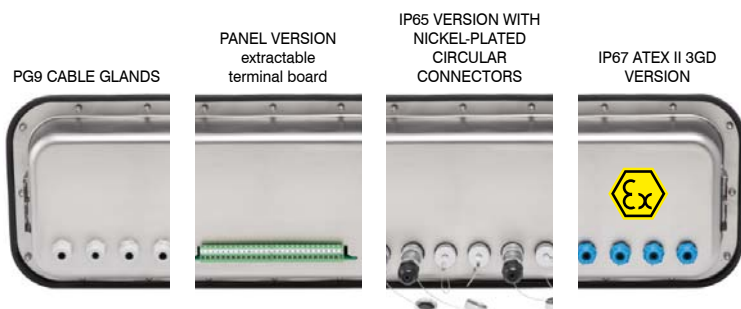
- Barcode reader and PC keyboard management via USB



MODBUS/TCP



ETHERNET
TCP/IP



MULTILANGUAGE
SOFTWARE

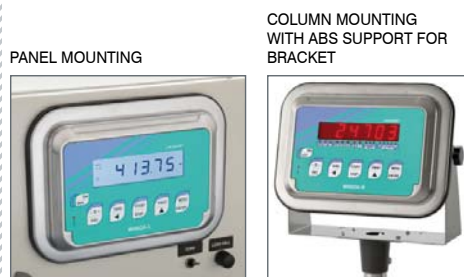


WINOX-G

- Backlit graphic LCD display, 133x39 mm, 240x64 pixel.
- 21-key membrane keyboard.
- Statistical checking of prepackages.

Optional:

- Barcode reader and PC keyboard management via USB



DESK VERSION (206x286x85 mm)



WINOX-L

- Six-digit backlit LCD display (20 mm height).
- Six-key membrane keyboard.
- 46 indicator symbols.



WINOX-R

- Six-digit red LED display (20 mm height).
- Six-key membrane keyboard.
- 16 indicator LED.

WTAB Series

WEIGHING AND BATCHING

WEIGHT INDICATORS



PROFIBUS

DeviceNet

CANopen

PROFINET

CE OIML

M EAC

cULus

ANALOG OUTPUT

RS485

RS232

MODBUS/TCP

EtherNet/IP

ETHERNET TCP/IP

MODBUS RTU



MULTILANGUAGE SOFTWARE

WTAB-2G

- Backlit graphic LCD display, 128x75 mm, 240x128 pixel.
- 27-key membrane keyboard.
- Statistical checking of prepackages.

Optional:

- Barcode reader and PC keyboard management via USB



MULTILANGUAGE SOFTWARE

WTAB-G

- Backlit graphic LCD display, 133x39 mm, 240x64 pixel.
- PC-type membrane keyboard with 50 keys and buzzer.
- Statistical checking of prepackages.

Optional:

- Barcode reader and PC keyboard management via USB



WTAB-L

- Six-digit backlit LCD display (20 mm height).
- Eight-key membrane keyboard. 46 indicator symbols.



WTAB-R

- Six-digit red LED display (20 mm height).
- Eight-key membrane keyboard. 16 indicator LED.

- Weight indicator in ABS, dimensions 315x315x170 mm. IP40 protection rating.
- Ideal for desk mounting, ergonomic design.
- Multiprogram: single loading/unloading and multi-product batchings, max 99 formulas.
- RS232 and RS485 ports (Modbus RTU/Laumas ASCII protocol).
- 3 logic inputs, 5 relay outputs.

Optional:

- Integrated thermal printer
- Weight radio transmission (Wi-Fi)
- Data storage on USB pen drive
- 16-bit analog output: 0/4-20 mA; 0-5/10 V; $\pm 5/10$ V
- Alibi memory
- Additional RS485 port
- Power supply with internal rechargeable 12 V 2.2 Ah battery.
- Fieldbuses: Profibus DP, DeviceNet, CANopen, Profinet IO, Modbus/TCP, Ethernet/IP, Ethernet TCP/IP for remote management (connectable to your PC, smartphone, tablet, etc. via web)

Certifications:

OIML R76:2006, class III, 10000 divisions 0.2 μ V/VS1
OIML R61 - WELMEC Guide 8.8:2011 (M.I.D.)

On request:

GOST-R - Russia

UL Recognized component - United States and Canada

European Community registered design.



- INTEGRATED 24-COLUMN THERMAL PRINTER
- ETHERNET PORT
- USB PORT



BOTTOM VIEW WITH D-SUB CONNECTORS (IP40)

WEIGHT INDICATORS FOR WEIGHBRIDGE

- Weight indicator for weighbridge in ABS or AISI 304 stainless steel.
- Ideal for desk mounting (WDESK series: also wall mounting).
- IP40 protection rating (D-SUB connectors).
- BL version: six-digit backlit LCD display (20 mm height), 46 indicator symbols.
- BR version: six-digit red LED display (20 mm height), 16 indicator LED.
- 19-key membrane keyboard.
- RS232 and RS485 ports (Modbus RTU/Laumas ASCII protocol).
- 3 logic inputs, 5 relay outputs.

Optional:

- Weight radio transmission (Wi-Fi)
- Alibi memory
- Additional RS485 port
- Integrated thermal printer (WTAB series)

Certifications:

OIML R76:2006, class III, 10000 divisions 0.2 μ V/VSI

On request:

GOST-R - Russia

UL Recognized component - United States and Canada

European Community registered design.

Patent pending (WDESK series).

PATENT
Pending

European
Community
Registered
Design



MODBUS RTU

Main functions:

- Double weighing (entry and exit), single weighing (entry and exit), double weighing with trailer, single weighing with trailer, multiple weighing (weighing of multi-compartment trucks).
- Open input weighs archive (max 254).
- Trucks database with password, max 999 preset tare that can be stored and recalled.
- Up to 10000 weighed values that can be saved in alibi memory (optional).
- Traffic light management function (two-lights).
- Totals management (loaded and unloaded material).
- Printing of displayed weight, printing of open weighings, printing of totals, printing of last weighing.
- Customizable print header (4 lines) via PC.
- Supported external printers: Epson TM-U295, Epson LX300, Custom Kube II, Laumas STAVT II. Other models on request.



WDESK-BL



WALL MOUNTING WITH STAINLESS
STEEL ADJUSTABLE BRACKET



WINOX-BL



WTAB-BL



WDESK-BR



WINOX-BR



WTAB-BR



VEHICLE WEIGHING

LOAD CELLS



Compression column
load cells.
Anti-rotation system.



Double shear beam load cells
equipped with bases and ball.



JUNCTION BOXES



SHOCK PROTECTION DEVICE



CE81INOX



CE81P

INTELLIGENT JUNCTION BOXES

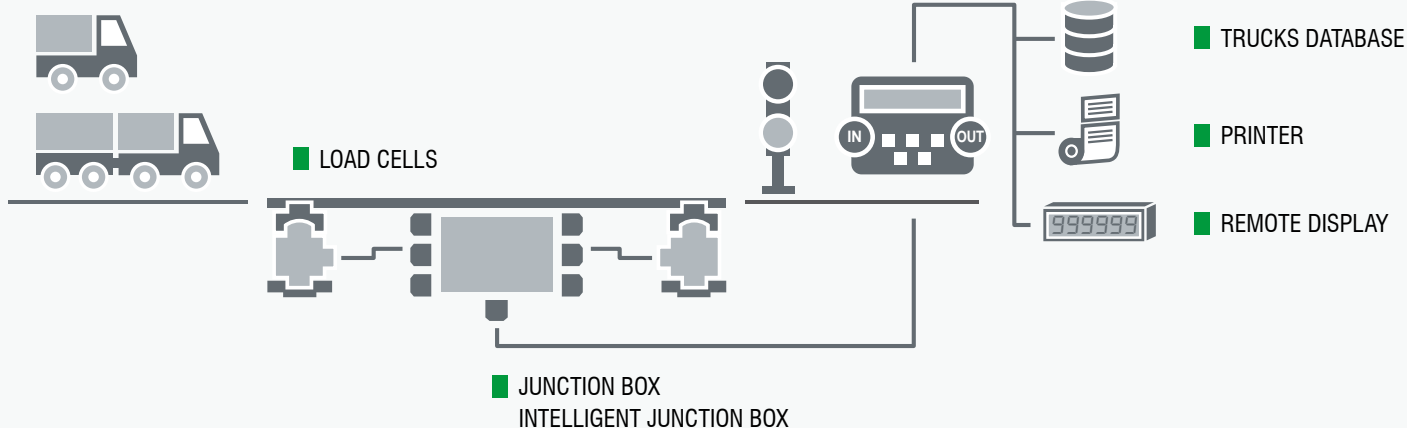


CLM4ABS / CLM8ABS

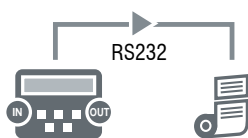


CLM8INOX

WEIGHBRIDGE INDICATOR



PRINTERS



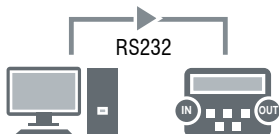
Integrated thermal
printer.
(WTAB series)

Supported external printers:
Epson TM-U295
Epson LX300
Custom Kube II
Laumas STAVT II
Other models on request.

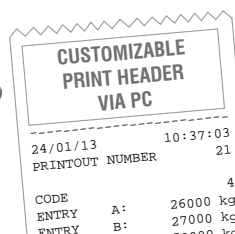


STAVT II

CUSTOMIZABLE PRINTOUT



Printout example refers to the
built-in printer.



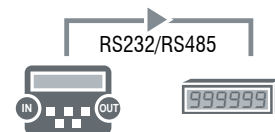
Epson name is the exclusive property of Seiko Epson Corporation.
Custom name is the exclusive property of Custom Group SpA

TRUCKS DATABASE



The trucks database allows you to associate a preset tare
value to an identification code (ID). This value may be
subsequently recalled rapidly from the keyboard.

REMOTE DISPLAY



Suitable for weight
remote displaying.




















Products overview: WEIGHT TRANSMITTERS



INTELLIGENT JUNCTION BOXES

	TLB series	TLM8 series	CLM8INOX	CLM4ABS CLM8ABS	CLM8TL
Mounting	Back panel mounting on Omega/DIN rail	Back panel mounting on Omega/DIN rail or junction box	-		
Dimensions mm	25 x 115 x 120	148 x 92 x 60	200 x 148 x 45 (IP67 stainless steel)	210 x 130 x 40 (IP67 ABS)	170 x 140 x 95 (IP67 polycarbonate)
Display	Red LED	Graphic LCD	LCD		
Keyboard	4 buttons	5-key	4-key		
Analog output	✓ (cod. TLB)	✓	-		
No. Logic relay Output	3	5	-		
No. Logic Input	2	3	-		
Serial port	RS485 (Modbus RTU)	RS485 (Modbus RTU)	RS232, RS485 (Modbus RTU)		
Supply	12 - 24 VDC $\pm 10\%$ - 5W	12 - 24 VDC $\pm 10\%$ - 5W	12 - 24 VDC $\pm 10\%$ - 5W		
A/D Converter	24 bit (16000000 points) 4.8 kHz	8 channels 24 bit (16000000 points) 4.8 kHz	8 channels 24 bit (16000000 points) 4.8 kHz		
Divisions *	max 1000000 0,01 $\mu\text{V/d}$	max 1000000 0,01 $\mu\text{V/d}$	max 1000000 0,01 $\mu\text{V/d}$		
Divisions CEM approved	max 3x10000e 0,2 $\mu\text{V/VSI}$	max 3x10000e 0,2 $\mu\text{V/VSI}$	max 3x10000e 0,4 $\mu\text{V/VSI}$		
Fieldbuses	Optional: CANopen, DeviceNet, CC-LINK, PROFIBUS DP, PROFINET IO, Ethernet/IP, Modbus/TCP, Ethernet TCP/IP, EtherCAT, POWERLINK, SERCOS III	Optional: CANopen, DeviceNet, CC-LINK, PROFIBUS DP, PROFINET IO, Ethernet/IP, Modbus/TCP, Ethernet TCP/IP, EtherCAT, POWERLINK, SERCOS III	Optional: Ethernet TCP/IP		
Alibi memory Optional	✓	✓	✓		
Box versions Optional	-	IP67 (dimens.: 185 x 185 x 130 mm)	-		
Certifications					













TLS series	THFPROFI	TLE	TLL	TLU
Back panel mounting on Omega/DIN rail or junction box	Back panel mounting on Omega/DIN rail or junction box	Back panel mounting on Omega/DIN rail or junction box	Back panel mounting on Omega/DIN rail or junction box	Back panel mounting on Omega/DIN rail or junction box
123 x 92 x 50	148 x 92 x 60	90 x 95 x 60	123 x 92 x 50	123 x 92 x 50
Red LED	Red LED	LCD	Red LED	Red LED
4-key	4-key	Encoder with integrated button	4-key	4-key
✓ (cod. TLS)	-	✓	✓ (Optional)	✓ (Optional)
2	1	-	4	4
2	1	-	2	2
RS485 (Modbus RTU)	RS485 (Modbus RTU)	RS485 (Modbus RTU)	RS232, RS485 (Modbus RTU)	RS232, RS485 (Modbus RTU)
12 - 24 VDC $\pm 10\%$ - 5W	12 - 24 VDC $\pm 10\%$ - 5W	12 - 24 VDC $\pm 10\%$ - 3W	12 - 24 VDC $\pm 10\%$ - 5W	12 - 24 VDC $\pm 10\%$ - 5W
24 bit (16000000 points) 80 kHz	24 bit (16000000 points) 4.8 kHz	24 bit (16000000 points) 4.8 kHz	24 bit (16000000 points) 80 kHz	24 bit (16000000 points) 80 kHz
max 1000000 0,01 $\mu\text{V/d}$	max 1000000 0,01 $\mu\text{V/d}$	max 1000000 0,01 $\mu\text{V/d}$	max 1000000 0,01 $\mu\text{V/d}$	max 1000000 0,01 $\mu\text{V/d}$
-	max 3x10000e 0,2 $\mu\text{V/VS1}$	-	-	-
-	PROFIBUS DP slave	-	-	-
-	✓	-	-	-
IP67, IP67 ATEX II 3GD (dimens.: 170 x 140 x 95 mm)	IP67, IP67 ATEX II 3GD (dimens.: 170 x 140 x 95 mm)	IP67, IP67 ATEX II 3GD (dimens.: 170 x 140 x 95 mm)	IP67, IP67 ATEX II 3GD (dimens.: 170 x 140 x 95 mm)	IP67, IP67 ATEX II 3GD (dimens.: 170 x 140 x 95 mm)
  	    	  	  	  

Products overview: WEIGHT INDICATORS



W200 series **

WDESK series

	W100	W200	W200BOX W200BOXEC	WDOS	WDESK-LIGHT	-G	-L	-R
Housing material	PPO	PPO	PC (polycarbonate)	PPO	ABS	ABS		
Mounting	Panel	Panel	Wall	Panel	Wall, column, desk	Wall, panel, column, desk		
Dimensions mm	48 x 96 x 130	96 x 96 x 130	170 x 140 x 95	96 x 96 x 130	122 x 226 x 164	122 x 226 x 164		
Protection rating	IP54 <i>Optional: IP65</i>	IP54 <i>Optional: IP65</i>	IP67	IP54 <i>Optional: IP65</i>	IP67	IP67		
Display	Red LED	Red LED		Graphic LCD; Red LED	LCD	Graphic LCD 133x39 mm 240x64 pixel	LCD	Red LED
Keyboard	4-key	5-key		10-key	6-key	21-key	6-key	6-key
Analog output	✓ <i>(Optional)</i>	✓ <i>(Optional)</i>		✓ <i>(Optional)</i>	-	✓ <i>(Optional)</i>		
No. Logic relay Output	5	5		5	2	5		
No. Logic Input	3	3		3	2	3		
Serial port	RS232, RS485 (Modbus RTU)	RS232, RS485 (Modbus RTU)		RS232, RS485 (Modbus RTU)	RS232, RS485 (Modbus RTU)	RS232, RS485 (Modbus RTU)		
Supply	12 - 24 VDC ±10% - 5W	12 - 24 VDC ±10% - 5W		12 - 24 VDC ±10% - 5W	12 - 24 VDC ±10% - 6W	12 - 24 VDC ±10% - 6W		
Supply 115/230 VAC 50/60 Hz <i>Optional</i>	-	✓	-	✓ (Not compatible with Fieldbus)	-	✓ (Not available for D version)		
Power supply 24 V 450 mA, input 100-240 VAC	-	-	-	-	✓ (Included)	✓ (Included for P - D - N versions)		
Internal rechargeable battery <i>Optional</i>	-	-	-	-	✓ 12V 2.2Ah battery	✓ 8 batteries type AA 1.2V		
A/D Converter	24 bit (16000000 points) 4.8 kHz	24 bit (16000000 points) 4.8 kHz		24 bit (16000000 points) 4.8 kHz	24 bit (16000000 points) 4.8 kHz	24 bit (16000000 points) 4.8 kHz		
Divisions *	max 1000000 0,01 µV/d	max 1000000 0,01 µV/d		max 1000000 0,01 µV/d	max 1000000 0,01 µV/d	max 1000000 0,01 µV/d		
Divisions CEM approved	max 3x10000e 0,2 µV/VS1	max 3x10000e 0,2 µV/VS1		max 3x10000e 0,2 µV/VS1	max 3x10000e 0,2 µV/VS1	max 3x10000e 0,2 µV/VS1		
Batching programs	-	✓		✓	-	✓		
Multilingual software	-	-		✓	-	✓	-	-
Fieldbuses	-	<i>Optional:</i> PROFIBUS DP, DeviceNet, CANopen, PROFINET IO, Modbus/TCP, Ethernet/IP, Ethernet TCP/IP		<i>Optional:</i> PROFIBUS DP, DeviceNet, CANopen, PROFINET IO, Modbus/TCP, Ethernet/IP, Ethernet TCP/IP	-	<i>Optional:</i> PROFIBUS DP, DeviceNet, CANopen, PROFINET IO, Modbus/TCP, Ethernet/IP, Ethernet TCP/IP		
Alibi memory <i>Optional</i>	✓	✓		✓	✓	✓		
USB port <i>Optional</i>	-	✓	-	✓	-	✓		
Certifications	 	 		 	 	 		

*) with measure range ±10 mV and sensitivity 2 mV/V

**) ADPEW200 ATEX explosion proof box, W200 indicators, Zener barriers.






















WINOX series



WTAB series

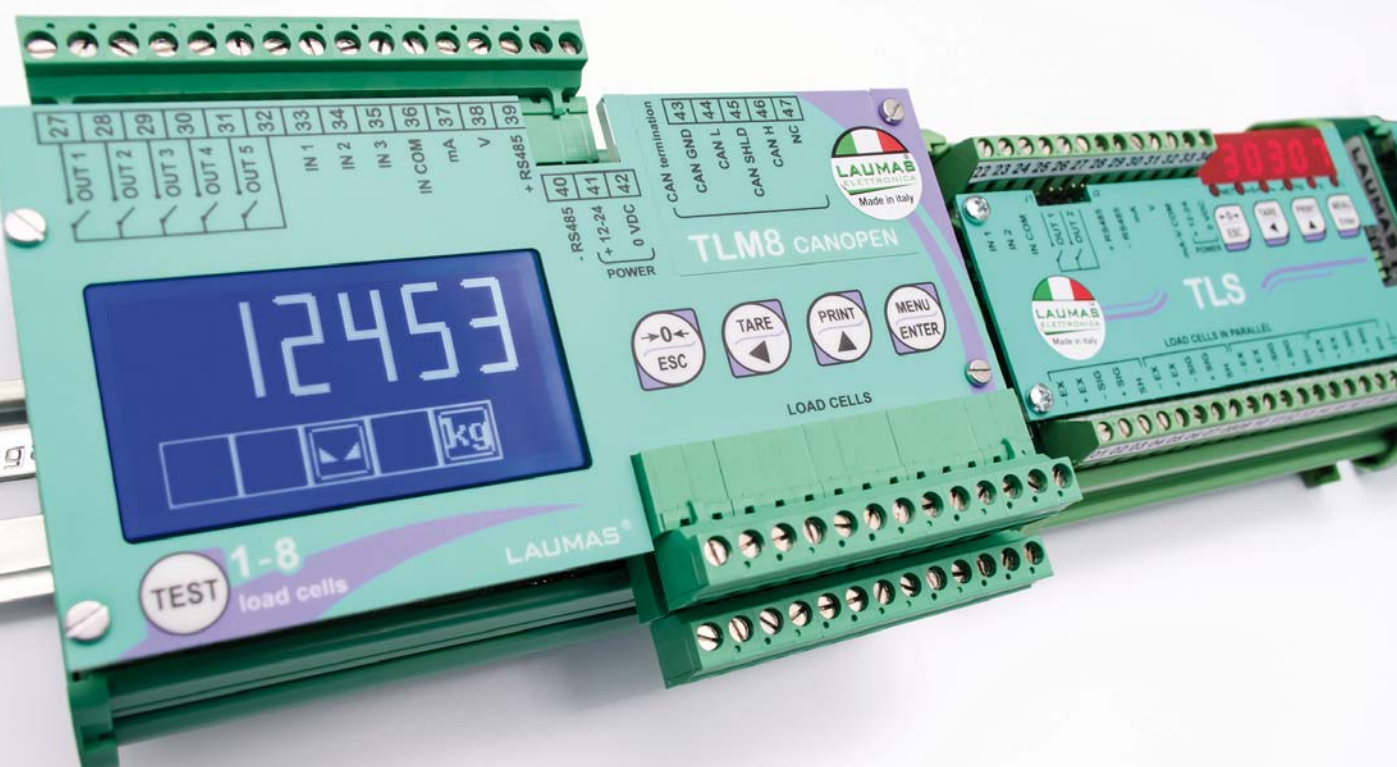


WEIGHBRIDGE INDICATORS series

-2G	-G	-L	-R	-2G	-G	-L	-R	WDESK		WINOX		WTAB	
-BL	-BR	-BL	-BR	-BL	-BR								
AISI 304 stainless steel				ABS				ABS		AISI 304 stainless steel		ABS	
Wall, panel, column, desk				Desk				Wall, desk		Desk		Desk	
206 x 286 x 108				315 x 315 x 170				122 x 226 x 164		206 x 286 x 85		315 x 315 x 170	
IP68 Optional: IP69K				IP40				IP40					
Graphic LCD 128x75 mm 240x128 pixel	Graphic LCD 133x39 mm 240x64 pixel	LCD	Red LED	Graphic LCD 128x75 mm 240x128 pixel	Graphic LCD 133x39 mm 240x64 pixel	LCD	Red LED	LCD	Red LED	LCD	Red LED	LCD	Red LED
27-key	21-key	6-key	6-key	27-key	50-key	8-key	8-key	19-key					
✓ (Optional)				✓ (Optional)				-					
5				5				5					
3				3				3					
RS232, RS485 (Modbus RTU)				RS232, RS485 (Modbus RTU)				RS232, RS485 (Modbus RTU)					
12 - 24 VDC ±10% - 6W				12 - 24 VDC ±10% - 6W				12 - 24 VDC ±10% - 6W					
✓ (Available for P - N versions)				-				-		-		-	
✓ (Included for P - D - N versions)				✓ (Included)				✓ (Included)		✓ (Included)		✓ (Included)	
✓ 12V 2.2Ah battery (Not available for D version)				✓ 12V 2.2Ah battery				8 batteries type AA 1.2V		-		✓ 12V 2.2Ah battery	
24 bit (16000000 points) 4.8 kHz				24 bit (16000000 points) 4.8 kHz				24 bit (16000000 points) 4.8 kHz					
max 1000000 0,01 μV/d				max 1000000 0,01 μV/d				max 1000000 0,01 μV/d					
max 3x10000e 0,2 μV/VS				max 3x10000e 0,2 μV/VS				max 3x10000e 0,2 μV/VS					
✓				✓				-					
✓	✓	-	-	✓	✓	-	-	-					
Optional: PROFIBUS DP, DeviceNet, CANopen, PROFINET IO, Modbus/TCP, Ethernet/IP, Ethernet TCP/IP				Optional: PROFIBUS DP, DeviceNet, CANopen, PROFINET IO, Modbus/TCP, Ethernet/IP, Ethernet TCP/IP				-					
✓				✓				✓					
✓				✓				✓					
      				     				     					



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