



## TLB Series



## SINGLE-CHANNEL WEIGHT TRANSMITTERS



### TRANSMITTER WITH FIELDBUSES

- 1 input for load cells: up to 8 (350 Ω).
- Connection to:
  - PLC via analog output or fieldbus.
  - PC/PLC via RS485.
- INSTRUMENT MANAGER: software for managing parameters.



MODBUS RTU

EtherNet/IP™

ETHERNET  
POWERLINK

EtherCAT®

MODBUS/TCP

DeviceNet™

ETHERNET  
TCP/IP

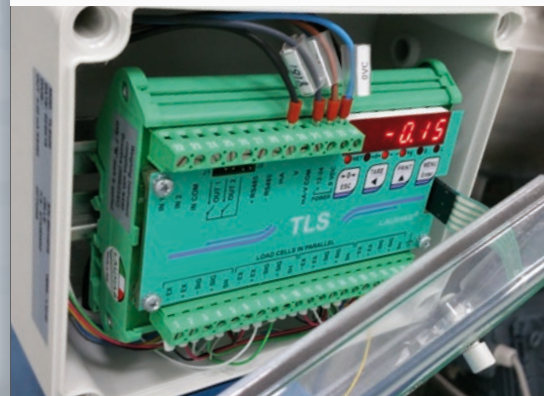
CANopen

PROFINET®

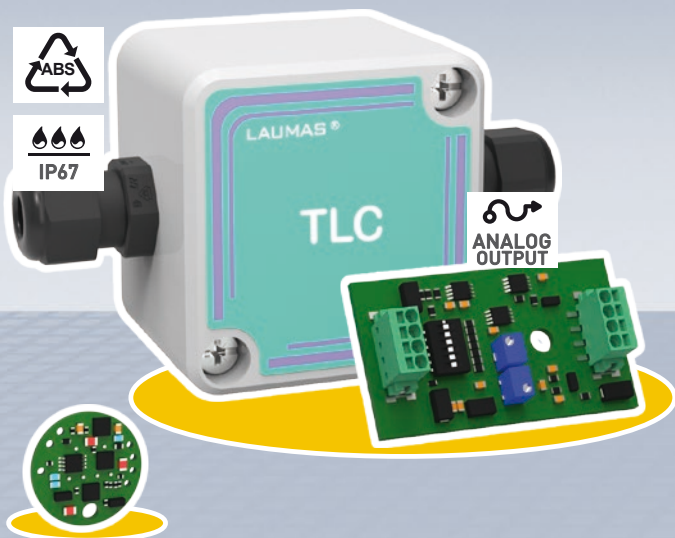
PROFINET®

CC-Link

SERCOS  
interface







# TLC

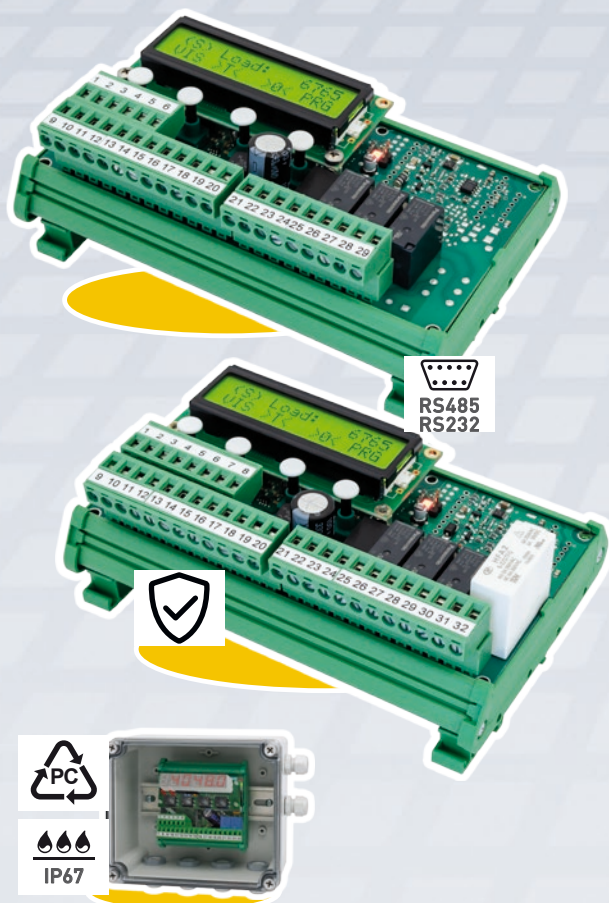
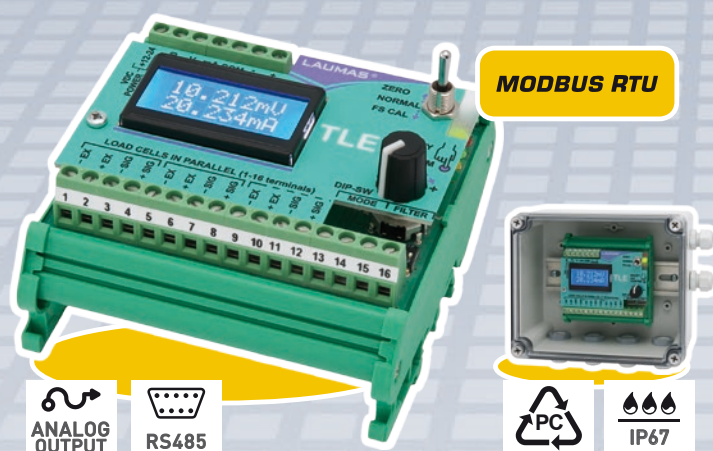
## ANALOG TRANSMITTER

- 1 input for load cells: up to 4 (350  $\Omega$ ).
- Connection to PLC via analog output.
- Suitable for use with tension/compression load cells.
- Rectangular board version only.
- ABS - IP67 version.
- Circular board version available on request.

# TLE

## ANALOG TRANSMITTER WITH RS485

- 4 load cell inputs in parallel: up to 8 (350  $\Omega$ ).
- Connection to:
  - PLC via analog output.
  - PC/PLC via RS485.
- 3-position selector switch, DIP-switch and control knob.
- IP67 polycarbonate box.



# LCD3 - LCD3PL

## DIGITAL LOAD LIMITER FOR LIFTING SYSTEMS

- Continuous control of the integrity of the connection to the load cell and alarm signal in case of failure.
- Connection to PC/PLC via RS485/RS232.
- IP67 polycarbonate box.

### LCD3

- 1 input for load cells: up to 8 (350  $\Omega$ ).

### LCD3PL

- 2 independent inputs for load cells.

✓ Dual channel input system for double bridge load cells (PL d / SIL 2 functional safety standard).

# LCB



## UNIVERSAL LOAD CELLS DIGITIZER

LCB transforms an analog load cell into a digital one. Designed for an integral assembly with the body of the load cell, it can also be wired remotely.

- 1 input for load cells: up to 4 (350 Ω).
- Connection to:
  - PLC via analog output or fieldbus.
  - PC/PLC via RS485.
- 500 updates per second for PROFINET, EtherNet/IP and EtherCAT fieldbuses.
- 3 IP67 versions:
  - AISI 304 stainless steel version.
  - hygienic AISI 304 stainless steel version.
  - plastic version.
- Micro USB for PC configuration.
- Single-product batching on loading, up to 99 formulas.
- INSTRUMENT MANAGER: software for managing parameters.



AISI  
304



HYGIENIC  
VERSION



FLYING  
CONNECTORS

MODBUS RTU  
MODBUS/TCP  
IO-Link  
PROFINET

ETHERNET  
TCP/IP  
CANopen  
PROFIBUS

EtherNet/IP  
EtherCAT  
SERCOS  
interface

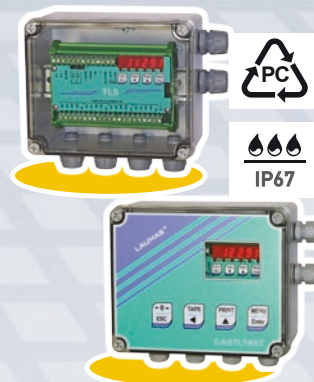
ETHERNET  
POWERLINK  
CC-Link  
CC-Link IE

## TLS - TLS485 - TLL - TLU

### TRANSMITTER FOR BACK PANEL OR IN JUNCTION BOX MOUNTING

- No. of inputs for load cells in parallel
- Analog output
- RS485
- RS232
- Synchronous transmission (CLOCK)
- INSTRUMENT MANAGER
- IP67 polycarbonate box

	TLS	TLS485	TLL	TLU
No. of inputs for load cells in parallel	4	4	1	1
Analog output	✓	-	✓	✓
RS485	✓	✓	✓	✓
RS232	-	-	✓	✓
Synchronous transmission (CLOCK)	-	-	✓	-
INSTRUMENT MANAGER	✓	✓	-	-
IP67 polycarbonate box	✓	✓	✓	✓



IP67

MODBUS RTU

MODBUS RTU

MODBUS RTU



LOAD LIMITING DEVICE



# TLK - TLKWF

MODBUS RTU

RS485  
RS232

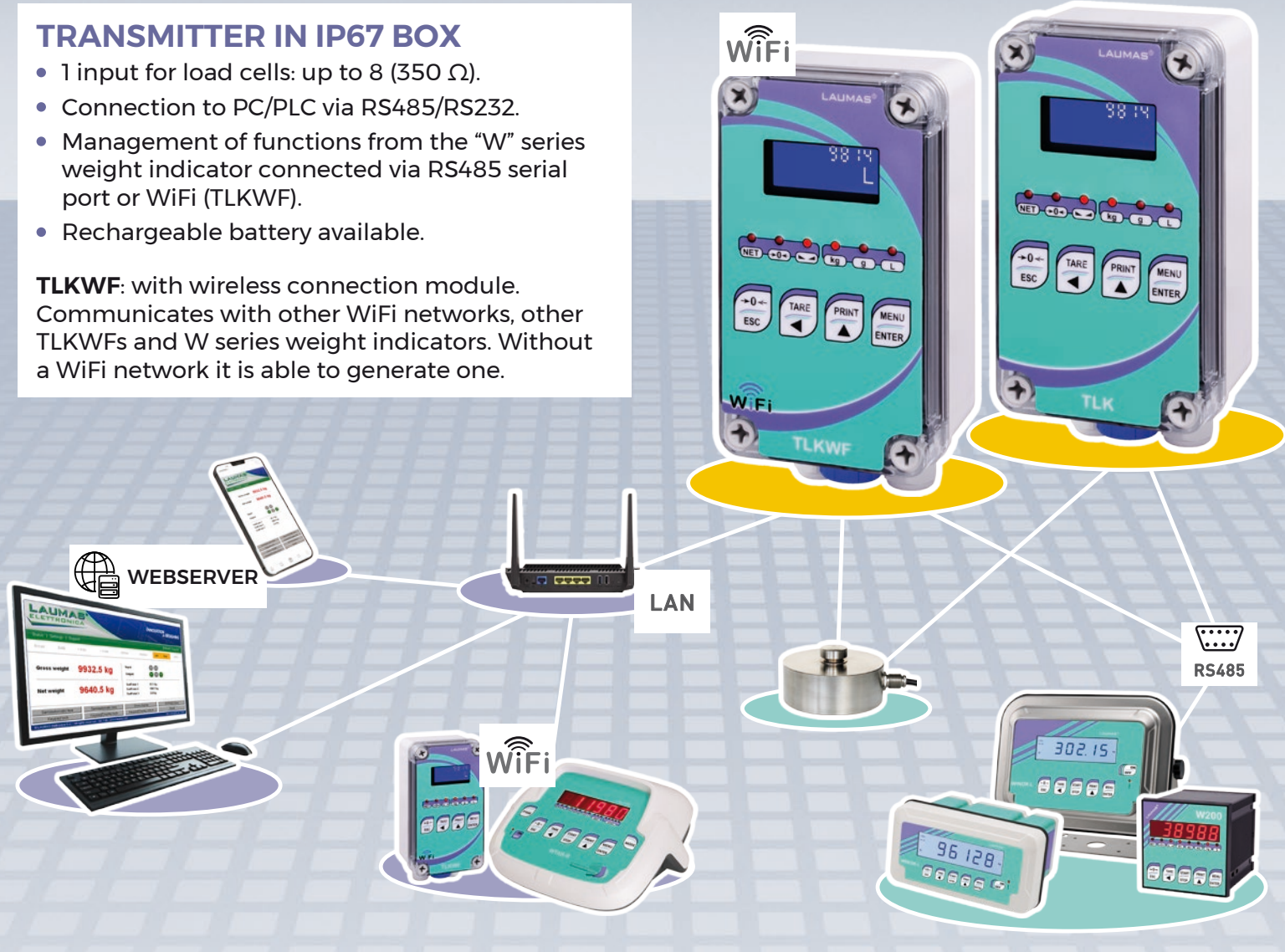
IP67

SAVING

## TRANSMITTER IN IP67 BOX

- 1 input for load cells: up to 8 (350  $\Omega$ ).
- Connection to PC/PLC via RS485/RS232.
- Management of functions from the "W" series weight indicator connected via RS485 serial port or WiFi (TLKWF).
- Rechargeable battery available.

**TLKWF:** with wireless connection module.  
Communicates with other WiFi networks, other TLKWFs and W series weight indicators. Without a WiFi network it is able to generate one.



## OUR APPROVALS

LAUMAS weight transmitters are approved in accordance with the parameters laid down by the most prominent national and international bodies, from which they obtained certificates recognized worldwide.

We invite you to consult the product sheets on our website to find out more details on the specific certifications associated with the products presented in this brochure.




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