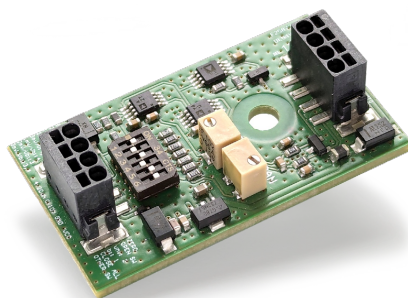
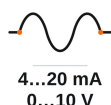


ANALOG WEIGHT TRANSMITTER



- 4...20 mA OR 0...10 V
- INPUT 1 ... 3 mV/V
- UP TO 4 LOAD CELLS
- ONLY 45 × 26 × 11 MM
- IP67 CASE ON REQUEST



KEY DATA

Property	Value	Property	Value
Sensor input	1 load cell signal, 1 ... 3 mV/V	Load cells	up to 4 × 350 Ω, 4/6-wire
Bridge supply	5 VDC / 60 mA	Analog output	4 ... 20 mA DC or 0 ... 10 VDC
Load resistance	300 Ω max. / 10 kΩ min.	Linearity	0.01 % of full scale
Supply	12 ... 24 VDC ±10 %, 2 W	Thermal drift	0.005 % of full scale/°C
Dimensions	45 × 26 × 11 mm, 1 hole Ø 4 mm	Order code	TLC · enclosure CASTLC

An OEM board for installation in customer equipment: it turns one strain gauge bridge signal into a standard analog signal for a PLC. UL Recognized Component — a component approved for installation, not a listed end device; its conditions of approval are in CONFORMITY.



TECHNICAL DATA

INPUT AND OUTPUT

Sensor input	1 signal input for strain gauge load cells
Load cells	up to 4 × 350 Ω in parallel, via a junction box
Connection	4-wire or 6-wire
Measuring range	1 ... 3 mV/V
Bridge supply	5 VDC / 60 mA
Current output	4 ... 20 mA DC · load resistance 300 Ω max.
Voltage output	0 ... 10 VDC · load resistance 10 kΩ min.

PERFORMANCE

Linearity	0.01 % of full scale
Thermal drift	0.005 % of full scale/°C
Calibration	with test weights or a load cell simulator

POWER SUPPLY

Supply voltage	12 ... 24 VDC ±10 %
Power consumption	2 W
Load cell supply	5 VDC / 60 mA
Power supply unit	PS2 type required (1)

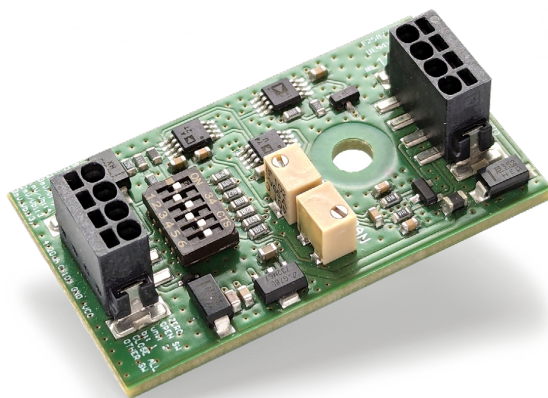
MECHANICS AND ENVIRONMENT

Dimensions	45 × 26 × 11 mm
Fixing	1 hole Ø 4 mm
Protection, in enclosure	IP67 with CASTLC, see accessories
Operating temperature	-20 ... +60 °C
Storage temperature	-30 ... +80 °C
Humidity	85 %, non-condensing
Place of installation	indoor use only, 2 m wall mounting max. (1)

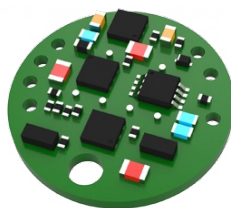
(1) Conditions of the UL approval. See CONFORMITY.



VERSIONS



The standard version: rectangular board, 45 × 26 × 11 mm, one fixing hole Ø 4 mm, plug-in terminals. Up to four 350 Ω load cells in parallel via a junction box.



The round version is an option on request, with no separate order code. It is a different board, mechanically and electrically: Ø 20 mm and 8 mm high instead of 45 × 26 × 11 mm, fixing hole Ø 3 mm instead of Ø 4 mm, one load cell instead of up to four, and soldered connections instead of plug-in terminals. The analog output is the same, current or voltage.

DIMENSIONS AND CONNECTION

Rectangular version: 45 × 26 × 11 mm with one fixing hole Ø 4 mm.

Round version (on request): Ø 20 mm, height 8 mm, one fixing hole Ø 3 mm, soldered connections.

IP67 enclosure CASTLC (on request): 94 × 53 × 40 mm including the cable glands, two glands M12 × 1.5, two fixing holes Ø 4 mm — see the separate EALAA data sheet.



CONFORMITY

UL / CSA	UL Recognized Component — a component approved for installation in other equipment, not a listed end device ("UL Listed")
Conditions of the UL approval	Indoor use only · wall mounting max. 2 m · a power supply unit of type PS2 must be used
UKCA	Equivalent to CE certification for the United Kingdom
Enclosure CASTLC	Only the polycarbonate version is UL certified. The ABS version is not
Protection	IP67 for the CASTLC enclosure

ORDER INFORMATION

Accessories

- IP67 enclosure, order code CASTLC, on request. Two cable glands M12 x 1.5, 94 x 53 x 40 mm including the glands, two fixing holes Ø 4 mm. Available in two versions: ABS, and polycarbonate — only the polycarbonate version is UL certified. Everything else about the enclosure is in the separate EALAA data sheet.
A junction box is required to run more than one load cell in parallel.



Enclosure
CASTLC · IP67

Versions
ABS ·
POLYCARBONATE

ORDER CODES

Field	Code	Meaning
Product	EOLA	octogon product code — analog weight transmitter, OEM board
Manufacturer type	TLC	Rectangular board 45 x 26 x 11 mm — the standard version
Option	on request	Round board Ø 20 x 8 mm, one load cell, soldered connections — no separate order code
Accessory	CASTLC	IP67 enclosure, ABS or polycarbonate — separate data sheet EALAA

