

Load Cell Central

1-800-LOADCEL

TLE

ANALOG WEIGHT TRANSMITTER WITH RS485

AC89@TLE OUTPUT: 0-20 mA; 4-20 mA; 0-10 V; 0-5 V; ± 10 V; ± 5 V

OPTIONS ON REQUEST :

- **CASTL** IP67 box version with transparent cover
- **CASTLPG9** transparent version with 6 PG9 cable glands



If mounted near the load cells it replaces the junction board for self leveling materials. (no individual load cell trimming)

Load cell amplifier and indicator for Omega/DIN rail mounting suitable for back panel or junction box. Dimensions: 90 x 95 x 60 mm. Backlit alphanumeric LCD display, 38x16 mm visible area, two-line by eight-digit (5 mm height). Digital rotary control (Encoder) with integrated button.

IP67 box version, dimensions 170x140x95 mm. Four fixing holes diameter 4mm (centre distance 122x152 mm).

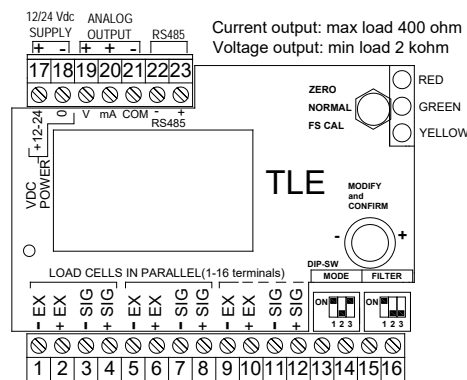
Simple zero setting and full scale, without using multimeter, through digital rotary control (Encoder). Display mV displaying, load cells and analog output value (V or mA).

No restriction on suppression tare and gain. Possibility to perform calibration or theoretical calibration with sample weights. Digital filter.

The instrument is equipped with a RS485 serial port (transmission of divisions from 0 to 200000 for values comprised between 0 and 10 mV) for connection to PC/PLC up to 32 instruments (max 99 with line repeaters) by ModBus R.T.U. protocol.

In monodirectional mode the RS485 port can be directly connected to PC's RS232 port.

16-bit analog output, speeded (update time = 3 ms) selectable via dip-switches: 0-20mA; 4-20mA; 0-10V; 0-5V; ± 10 V; ± 5 V.



UL recognized component U.S. and Canada



TECHNICAL FEATURES

POWER SUPPLY and CONSUMPTION	12 - 24 VDC +/- 10% ; 3 W
No LOAD CELLS IN PARALLEL and SUPPLY	max 8 (350 ohm) ; 5VDC/120mA
LINEARITY / LINEARITY OF THE ANALOG OUTPUT	< 0.01% Full Scale / < 0.01% F.S.
THERMAL DRIFT / THERMAL DRIFT OF THE ANALOG OUT.	< 0.0005 % F.S. /°C < 0.003 % F.S. /°C
A/D CONVERTER	24 bit (16000000 points) 4.8kHz
MAX DIVISIONS (with measure range: +/- 10mV =2mV/V)	± 200000
MEASURE RANGE	± 39 mV
MAX LOAD CELL'S SENSITIVITY	± 7 mV/V
MAX CONVERSIONS PER SECOND	300 conversions/sec.
DIGITAL FILTER / CONVERSION RATE	$0.003 \div 4$ s / 10 \div 300 Hz
SERIAL PORT	RS485
BAUD RATE	2400, 4800, 9600, 19200, 38400, 115200
HUMIDITY (condensate free)	85 %
STORAGE TEMPERATURE	- 30°C + 80°C
WORKING TEMPERATURE	- 20°C + 60°C



CASTLPG9 (IP67)

Load Cell Central follows a policy of continuous improvement and reserves the right to change specifications without notice. © 2018

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