

Display unit CL 162ze for strain gauge transducers

- co-operates with external strain gauge transducers
- 31 memory banks of transducers' parameter
- functions: correction of transducers nonlinearity, tare, min. and max. indication, indication hold
- transmission to PC via RS 232 or 485 (optional) or via adapter RS/USB (optional)
- battery charger for the continuous work (optional)
- three-year warranty and after sales service



Display unit CL162ze is assigned for signal measurement from strain gauge transducers. The transducers are attached to the display unit through the shielded signal connector. The measurement results are displayed on a LCD-display. The unit has following functions: transducers nonlinearity correction, tare, indication hold and indicating minimal and maximal values.

A software is steering work of this display unit and its parameters can be modified by the User. The parameters are stored in a permanent memory EEPROM – turning off the power supply doesn't cause loss of data. Digital unit CL162ze can have up to 31 memory banks of transducers' parameters, so it's possible to store parameters of calibration for 31 strain gauge transducers.

Display unit CL162ze is equipped with RS232 (or RS485 for transmitting measurement results to others instruments or to the computer systems).

Specifications:

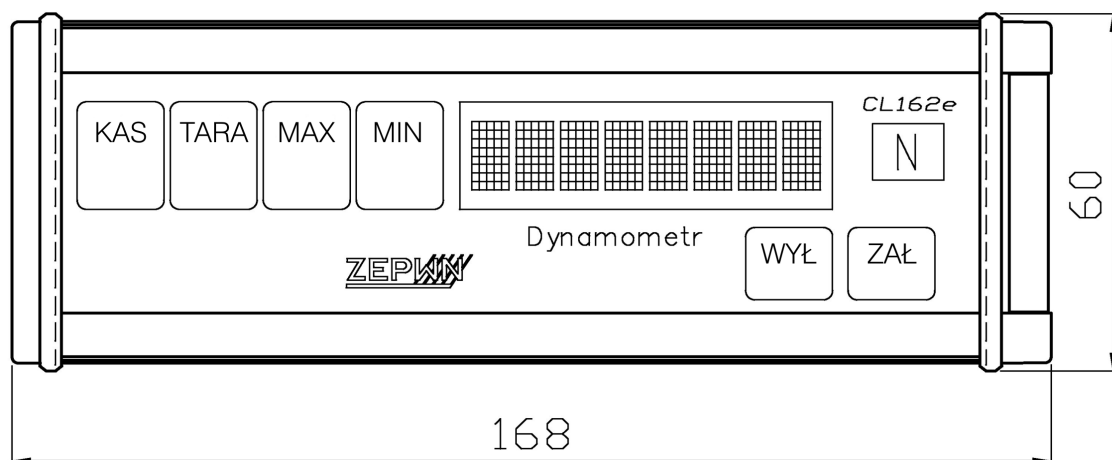
Measuring range	depends on transducers range
Number of memory banks of parameters	31*
Transducers nonlinearity correction	up to 7 points for positive calibration and up to 7 points for negative calibration
Displayed units	arbitrary (max. 3 characters) – entered by settings parameters in display unit
Resolution of digitizer	60000 scales + character
Max. measuring error by 20°C	< 0,0015% + transducers error
Temperature measuring error	< 0,02%/10K + transducers error
Single measurement time	0,18 s
Update time for display	0,36 s
Kind of averaging	arithmetic average from 1÷8 measurements
Additional functions	measurement of minimum and maximum, tare
Tare	0÷100% of nominal value
Display	highlighted LCD, 2 lines 16 alphanumeric characters each
Height of characters	6,7 mm
Maximal indication	±99999
Sound signalling	buzzer
Communication outputs	RS485 or RS232 or adapter RS/USB**
Number of comparison threshold	2 pieces
Sound signalling by exceeded comparison	double sound signal from buzzer
- parameters of transmission	4800, 8 data bits, 2 bits of stop, without parity control

Display unit CL162ze

Supply	battery pack 6V (5 x 1,2V type AAA)
Power consumption from battery	< 70mA (when activated) < 0,02mA (when turned off)
Worktime between battery charging	ca. 10 hours of continuous work
Signal of discharge	single sound signal from buzzer every 1 second
Charging time	14 ÷ 16 hours
Operating temperature range	273 ÷ 323 K
Relative humidity	20 ÷ 80%
Dimensions	168 × 60 × 32 mm

* number of expected memory banks has to be defined by customer .

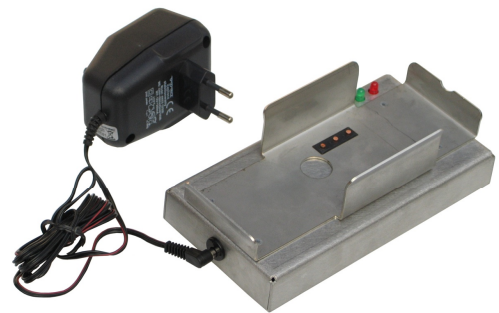
** has to be defined by ordering



Front plate of CL162ze

Battery charger for CL 162z and for CL 162ze (optional)

- recommended charging time: 14 ÷ 16 hours
- Minimal charging time: 2 ÷ 3 hours



Manufacturer:

ZEPWN J. Czerwiński i Wspólnicy - spółka jawna, 05-270 Marki, ul. Kołłątaja 8
tel./fax: (004822) 7812169, 7712411, e-mail: zepwn@zepwn.com.pl, <http://www.zepwn.com.pl>