

Three-channel meter CL 363 for strain gage sensors

- Logging from two sensors
- Printer and PC ready
- Portable (230 V) and stationary version (24 V)
- CE mark



Digital device CL 363 co-operates with three strain gage sensors.

The device is offered in two versions – as a portable unit in casing (230 V) and as a panel unit to erect (24 V). To the meter can be attached directly any optional sensor (e.g. force sensor, weight load cell, pressure sensor) with strain gage bridge.

CL 363 has an integrated primary control program. The user can modify its parameters, which are stored in an EE-PROM memory. The trip-out of voltage doesn't result in losing data. The program allows to take cyclic measurement of signal on meter's input and its presentation on the 6-digit LED display. The program allows to find minimum and maximum values and can signalize exceeding of eight comparison thresholds. The device can be optionally equipped with two in series connections RS 485 / RS 232 with optical insulation, to transfer measurement results to other devices or computer systems. On request the device can have analog current outputs with optional programmed parameters. CL 363 can also be equipped on request with a fast voltage output for steering a logger.

The meter has integrated 3 timers to count time intervals with 1second resolution.

Specifications:

Number of measuring channels:		3
Number of sensors attached to input:		3
Sensors' resistance		120 Ω ÷ 5 kΩ
Sensors' sensitivity	[mV/V]	1 ÷ 16
Sensors' supply	[Vdc]	5
Resolution of a/d converter		min. 100000 graduations + sign
Nonlinearity of a/d converter	[%]	<0,0015
Insulation voltage for analog inputs	[V]	>500
Measurement time	[s]	0,1 do 0,5
Compression of range		0,001 do 1,5
Type of averaging		Arithmetic mean from 2÷50 measurements
Additional functions		minimum and maximum, tare, comparison, correction of nonlinearity (23 points)
Tare	[% of nominal value]	0 ÷ 100
LED display		6 digits + 2 digits as number of function, 4 information leds, 4 illumination leds
Communication outputs (option)		2 independent (for communication with other devices and with PC / programmer
- standard		in series RS 485 (or RS 232)
- parameters of transmission		4800/9600 bauds, 8 data bits, 2 stop bits
Maximal error	[% of range]	< 0,015
Output impedance	[MΩ]	25
Dimensions	[mm]	85x200x215

Manufacturer:

Zakład Elektroniki Pomiarowej Wielkości Nielektrycznych, Poland, 05-270 Marki, ul. Kołłątaja 8
tel./fax: 004822. 7812169, 7712411, e-mail: zepwn@zepwn.com.pl, <http://www.zepwn.com.pl>