Programmable Bargraphs-Linearizers
OCB 401 and OCB 411

orbit controls

OCB 411

- √ DC and AC Signal Inputs
- √ Process Signal Input
- √ Pt-100, Pt-500, Pt-1000
- √ Thermocouples J, K, T, S, E, B, R, N
- √ Ni 1000, Ni 5000, Ni 6180 ppm/K
- √ Potentiometric Input
- √ Frequency Input
- √ True RMS Measurements
- √ Linearizing in up to 100 points
- √ Tara
- √ Four Set Point Relay
- √ Peak and Hold
- √ Horizontal or Vertical

Orbit Controls OCB 401 and OCB 411 Bargraphs are µP controlled displays with one LED bargraph and one digital display. The bargraph has 25 segments (vertical) or 30 segments (horizontal). Nearly any process signal, temperature sensors, resistors, frequencies, potentiometers, pressure and weighing gauges, DC and AC voltages, currents and power can be directly connected. Optional analog output, serial data port and excitation for external sensors are available. Four Set Point Relays increase the flexibility in the process controlled applications. The Tara can be activated via the front keys and forces the display to zero.

For individual linearizing up to 100 points are available. They can be set with the keyboard or via the serial data port.

As a Datalogger up to 65 000 measuring points can be stored within a selected time interval and recalled from a PC via serial data ports.

OCB 401

SPECIFICATIONS

OCB 411	Vertical, three color bars with 25 LED and 3 digits display
OCB 401	Horizontal, three color bars with 30 LED and 6 digits display.
Set Points	Option: Four relay 3A-230VAC with switching contact.
Excitation	Option: 5 - 24V/50mA.
Outputs	Option: Analog Output isolated 10 000 points, 0-2V, 5V, 10V, 0-5mA, 0/4-20mA selectable.
	Option: RS232, RS485 or RS422, 8 bit, 1 Start, 1 Stop, no Parity.
Memory	Option: Peak & Hold stores the max. value displayed.
Max-Min:	The maximum or the minimum can be recalled at the display.
Linearizing	Option: Up to 100 linearizing points are free programmable.
Real Time:	Memory of up to 65 000 measuring points within the desired time interval.
	Recall via the serial data port from a PC.
Inputs	DC: 0-60mV to 400V, 0/4-20mA to 400mA.
	RMS: 0-60mV to 400V, 1A to 5A true RMS, Power of VAr, VA, W, cos φ.
	Temp: Pt-100, Pt-1000, Ni-1000, Ni-10 000. Thermocouples J, K, T, E, S, R, N, B.
	Frequencies: 0-100 kHz.
Accuracy	0.4% from range $\pm$ 1 LED for all input signals. Tempco: 60ppm/K.
Supply	115/230V, 24VAC $\pm$10%, 48-60Hz. Option: 10-30VDC-3W.
Cabinet	DIN 48 x 96 x 120mm, IP65 front. Panel cut-out 45 x 90,5mm.
Terminals	pluggable screw terminals

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