Bargraph for Analogue Signals
OCB501-A

- √ Process Signals mV, mA DC or true RMS
- √ Two signal channels
- √ Fast Peak & Hold
- √ Display dimming 0-100%
- √ Three color selection
- √ 50 Bargraph Segments, 3 digit Display
- √ Four Set Point Relays

OCB501-A is a digital controller with one Bargraph and a three digit display. The controller is key programmable and permits connection to analogue process signals, Pt 100 and DIN Thermocouples with or without junction compensation. The intensity of the displays can be set between 0 and 100% in 1% steps or controlled with external analogue signal (Option). Additional signal channel can optionally be ordered for arithmetic operations of two processed signals:

*DISPLAY = Coef 0+ADC1*Coef 1+ADC2*Coef 2, w*hereas *Coef* are free programmable Constants and *ADC* are the measured values.

The Bargraph and the Digital Display are free scalable. The digital display permits a resolution of 999 counts with selectable decimal point. In the measuring mode the display follows the input data. In the programming mode it shows the parameters.

Peak & Hold Memory is optionally available. The both displays are continuously overwritten with the maximum measured value. The Memory mode and the Real Time mode are selectable.

Menu is accessible with three keys behind the front lens and contains the setting of four Set Points, Colors of the Bargraph, Scaling of the Digital Display and the Bargraph and Calibration of signal channels. Set Points SP1 and SP2 define the switching points of the Bargraph colors and also of the Relay 1 and Relay 2. The color sections red, green or orange can be set across the entire bargraph length. Additional Set Points SP3 and SP4 control Relays 3 and 4.

SPECIFICATIONS

Displays:	Bargraph:	125 x 10mm, 50 red, yellow and green segments.
	Accuracy:	± 1 Segment.
	Digital Display:	3 digits, 7.6mm red, -99 … 999 with decimal point.
	Accuracy:	0.1% from value.
	Peak & Hold:	Selectable Store Rate up to 20ms
Inputs:	* Voltage:	100mV to 250V DC.
	* Currents:	1mA to 5A DC.
	* Option RMS	50Hz to 1kHz in Signal channel 1 only
Set Points:	Four Relays 5A/230VAC or collector outputs 60V-100mA.	
Supply:	115/230VAC. Option 24VDC. Excitation for external sensors..	
Cabinet:	DIN 48x144x115mm (WxHxD). Panel cut-out 44x136mm, pluggable screw terminals.	

ORBIT CONTROLS AG
Zürcherstrasse 137
CH – 8952 Schlieren / ZH
Tel: +41 44 730 2753
info@orbitcontrols.ch
www.orbitcontrols.ch

Bargraph for Serial Ports
OCB501-D

- √ Inputs RS232 or RS485
- √ Display dimming with from Data Port
- √ Three Colors, red, orange, green
- √ 50 Bargraph Segments, 3 digit Display
- √ Two or four Set Point Relays 250V-5A AC
- √ Supply 115/230VAC or 24VDC

OCB501-D is a digital controller with one Bargraph and a three digit numerical display. The controller is key programmable and permits connection to serial data ports RS232 or RS485. The intensity of both displays can be controlled from the data port.

The digital display is free scalable and permits a resolution of 999 counts with selectable decimal point. In the measuring mode the display follows the input data. In the programming mode it shows the parameters. Floating point arithmetic is used.

The Menu is accessible with the keys behind the front lens and contains the setting of the Baud Rate, the Address, the Intensity and the scaling of the bargraph related to the digital display.

Three color sections red, green or orange can be set across the entire bargraph length. The braking points are free programmable. Two optional Relays can be activated at the braking points. Additional two optional Relays can be free set between 0 and 100% of the bargraph.

SPECIFICATIONS

Displays:	Bargraph:	125 x 10mm, 50 red, yellow and green segments.	
	Accuracy:	± 1 Segment.	
	Digital Display:	3 digits, 7.6mm red, -99 … 999 with decimal point.	
	Accuracy:	0.1% from value.	
Input:	RS232 or RS485	Baud Rate:	1200 – 19200 bd
Colors:	Bargraph colors free programmable in three sections.		
Set Points:	Two Relays 5A/230VAC activated at the color braking points Additional two Relays can be free set across the entire bargraph length.		
Supply:	18-36VDC/3W or 115/230VAC.		
Cabinet:	DIN 48x144x115mm (WxHxD). Panel cut-out 44x136mm, pluggable screw terminals.		

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