Large Displays for Serial Data Ports

- ✓ 6 Digit Display ± 999999
- ✓ Input for RS232, RS485, TTY
- ✓ Free programmable
- ✓ Analogue Outputs
- ✓ Four Set Point Relay
- ✓ Addressable Bus Operation
- ✓ Excitation
- ✓ Supply 115/230VAC

Large Displays OC57-RS, OC100-RS and OC125-RS are 4- or 6-digit programmable instruments with up to ±999999 display increments. They have inputs for RS232, RS485, RS422 and TTY serial data signals and can be ordered with 57mm, 100mm or 125mm large 7 segment display units. Customized displays are available upon request.

The telegram contains 8 bit of data, no parity, 1 start and 1 stop, 1200 to 19200 baud. The RS422 and RS485 have programmable addresses.

Optional outputs for control applications such as two analogue outputs and 4 set point relays are available.

The analogue output can be assigned to any two display values with the keyboard. This perform a simple conversion of the serial data into analogue output signals.

Setting of parameters is with the keyboard at the rear panel of the instrument. The menu contains settings of four set points and analogue outputs.

The parameters remain stored in a non-volatile memory also when the instrument is switched-off from the power.

OPTIONS

After applying the power to the instrument, the parameters and the operating mode are read from the memory and entered into the controller. The display shortly shows the model and the software version and switches into the measuring mode. With the keyboard the menu can be opened and the parameters programmed.

Set Points are adjustable within the entire display range ±999999. They activate four open collector transistors or four mechanical relay. Each set point has a programmable hystereze.

Analogue Outputs 0...±10V and 0/4-20mA are simultaneously generated. With the keyboard they can be assigned to any two required display values.

The displays are using 7 segment LEDs. Three display sizes are available:
OC57 with 57mm
OC100 with 100mm
OC125 with 125mm

The signal is connected via D-SUB 9, the power via mains connector at the rear cover.

The large displays are enclosed in black aluminium case with IP65 front.

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SPECIFICATIONS

INPUTS
RS232, RS422 or RS485, 8 bit, no parity, 1 Start, 1 Stop.
RS 485 Address 01 to 31.
Baud rate 1200 to 19200 bd.

Option: TTY serial data port.

DISPLAY
0 ... ± 999999, 7 segments red LEDs, 57, 100 or 125mm with decimal point and sign.

SET POINTS- Option
Two or four set points with 60V/100mA open collector NPN transistors or mechanical relay 5A-230VAC, selectable from -999999 to +999999.

ANALOGUE OUTPUT- Option
4-20mA / 390 Ohm max.
0 ... ± 10V / >10kOhm
Resolution 12 bit. Option16 bit.
Isolation 250V r.m.s.

SUPPLY
115/230V ±10%, 48 - 60Hz

EXCITATION- Option
5 to 24VDC/40mA adjustable and isolated by 250V r.m.s.

CABINET - IP65 front

OC57:	4 and 6 digits: 112x368x80mm.
OC100-4:	4 digits: 173x458x80mm
OC100-6:	6 digits: 173x644x80mm
OC125-4:	4 digits: 229x535x80mm
OC125-6:	6 digits: 229x748x80mm

Large Bargraphs with Digital Displays

Bargraphs 250 to 1000mm with 3 or 6 digit displays are available for many industrial input signals:

DC: 100mV - 750V DC, 1mA - 5A DC.

RMS: 100mV - 750V, 1mA - 5A true RMS.

WATT: Power in 1- or 3-phase mains 0-230 V, 0-5 A.

RTD: 2- or 4-wire sensors Ni, Pt-100, Pt-200, Pt-1000.

RS: Serial Ports RS232, RS485, TTY, SSI, EnDat.

T/C: DIN-Thermocouples J,K,R,S,T,B,S compensated.

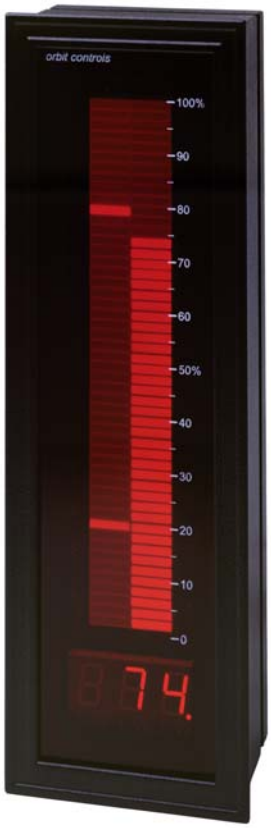
OHM: Resistance 100Ω to 100 kΩ.

POT: Potentiometric sensors 100Ω - 100kΩ.

LVDT: Displacement transducers and Inclinometers.

LIN: Linearizers with up to 100 points.

OTHER: Power, Pressure, Weighing Sensors, Strain Gauges or any other input available upon request.



Detailed Datasheets for Bargraphs: www.orbitcontrols.ch *BARGRAPHS*