![orbit controls Swiss made logo]

Isolated Transmitter for DC-Signals

√ Input for DC voltage
√ Input for DC currents
√ Input for Potentiometric Sensors
√ Dual-Input for 2x4-20mA
√ Analogue Output 4-20mA
√ Analogue Output 0-10V
√ Excitation
√ For 35 mm DIN Rail
√ Supply 230V AC or 24V DC

OC35-DC are transmitters for DC voltage or DC current. The input signal is converted into standardized output 4-20mA or 0-10V. The analogue outputs can be ordered isolated or non-isolated. The transmitters are supplied from the mains or from DC voltage.

OC35-DCP are transmitters for potentiometric sensors. They convert the displacement or the angle of the potentiometer into 4-20mA, 0-10V or 0-3.60V analogue output. They are supplied from the mains or from DC voltage. The connected potentiometers are supplied from internal precision voltage reference. The analogue outputs can be ordered isolated or non-isolated.

OC35-DCD are transmitters with two inputs for two 4-20mA current loops. The resulting output signal 4-20mA is an average value of the two input currents. LED at the front indicates when one of the currents is smaller than 2.5mA.

SPECIFICATIONS

Input:	Voltage ranges:	OC35-DCV	0 ... 60mV to 0 ... 250V DC.
	Current ranges:	OC35-DCI	0/4-20mA, 0 ... 1 mA to 0 ... 5A DC.
	Potentiometers:	OC35-DCP	1kOhm ... 100kOhm.
	Dual Input:	OC35-DCD	2 x 4-20 mA.
Frequency Range:	Standard:		Low Pass Filter with Reference Frequency of 0.1Hz.
	Option:		DC-10kHz without LPF.
Output:	Voltage:		0-10V isolated or none isolated. The isolation is 250V r.m.s.
			0 ... 3.60 V for angular measurements (OC35-DCP).
	Current:		4-20mA isolated or none isolated. The isolation is 250V r.m.s.
			The LPF defines the settling time of the analogue output.
Accuracy:	± 0.05% from reading plus ± 0.05% from full scale.		
Tempco:	± 50 ppm /K.		
Settings:	Potentiometer RANGE and ZERO at the front for 0V and 0/4mA and 10V/20mA.		
Supply:	Standard:	230V ±10%, 48 - 60Hz, 2VA.	
	Option DC:	24V DC ± 10%, 2W.	
Cabinet:	For DIN 35mm - rail. Size: 75 x 79 x 40 mm, 200 g.		
Terminals:	Screw terminals.		