

ROD4-MB



4-way Control Unit for Mass Flow Controllers

The ROD-4MB Unit is a digital instrument, with double displays per line, for controlling mass flow controllers working with voltage signals (0 - 5 Volts). The two displays give the possibility of monitoring simultaneously both reading and set point values. Value representation, which can be customised, can be displayed in absolute value or as a percentage of full scale. An embedded window alarm subroutine is available in order to halt process with the RODB inner relay. The instrument can work autonomously or, if necessary, can be inserted in a standard sub-rack 19". The presence of an RS-485 serial communication port allows the user to have a full control over the instrument from a host PC, to which a maximum of 80 ROD-2MB unit can be connected. Safe mode operation allow user to stop process or keep the process working in case of power fault.

TECHNICAL SPECIFICATIONS

Display.....	2 lines 7 segments LED
Analogue input.....	0-5 Volts
Analogue output.....	0-5 Volts
Power supply for MFC.....	+15 V @ 800mA; -15 V @ 800mA
Resolution of reading/set point.....	14 bit
Accuracy	0,1%, ± 1 digit
Relay output	250 V / 5 A max – 125 V / 10A max
Serial link.....	Half duplex RS-485 standard, 9600 baud
Primary power supply	115-230 Vac, 50/60 Hz $\pm 20\%$; 25 VA
Buzzer (alarm jump ON).....	3100 Hz 88dB
Dimensions (WxHxD)	440 x 145 x 280 mm