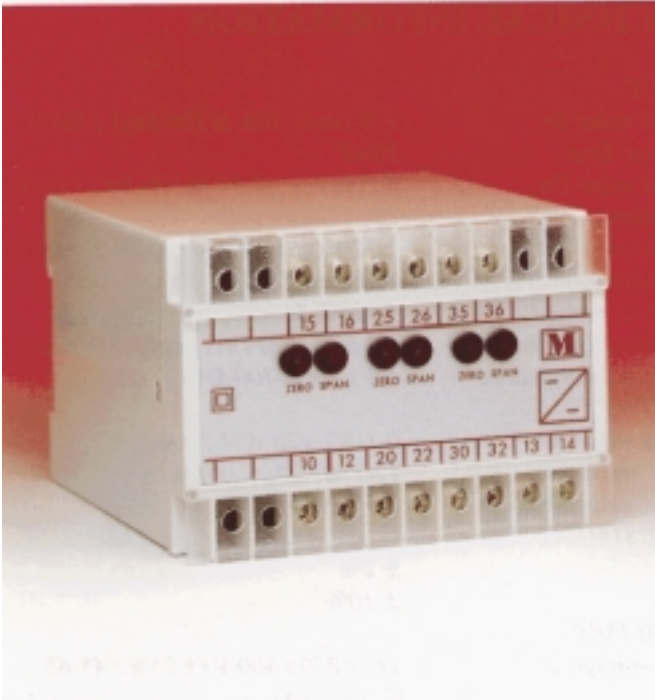


DC CURRENT OR VOLTAGE 1 INPUT 3 OUTPUTS



TECHNICAL SPECIFICATION

INPUT

Rated value I_n	$\pm 0-1 / 5 / 10 / 20$ & $4-20mA$
Voltage drop	20mV
Rated value U_n	$\pm 20mV \dots 10V$
Impedance	100 kOhm / volt
Working range	$\pm 125\% I_n$
Overload continuous	4 x I_n
Overload continuous	1.5 x U_n

OUTPUT

Rated value mA	0-1/5/10/20 & 4-20mA
Load resistance	10/2/1/0.5 kOhm
Rated value volts	0-5 / 10 & 1-5 V

ADJUSTMENT

Zero	$\pm 2\%$
Span	$\pm 10\%$

AUXILIARY

A.C. Voltage	115 / 230 / 400 V ($\pm 25\%$ / 45-65 Hz / < 2VA)
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D.C. Voltage	24 / 48 / 110 V ($\pm 20\%$ / galvanically isolated / < 3W)
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WEIGHT & CASE SIZE	Approx. 0.4 kg. 100mm case
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INSULATION

Test voltage	1.5 kV between Input/ Output/Case 500 volt between each output
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SELECTION GUIDE

M100-DM3 One input three outputs

TYPICAL APPLICATIONS

The M100-DM3 takes 1 DC Input and provides 3 isolated outputs all directly proportional to the input. The outputs can all be of the same D.C. Value or can be different.

Typically this product is used to prevent earth loops between measuring devices. For example the M100-DM3 could have its input signal provided by a M100-WA4 watt transducer with 4-20mA output. The 3 outputs from the M100-DM3 could be as follows.

Output A = 4-20mA fed to a PLC.

Output B = 0-20mA fed to a analogue meter scaled in kW.

Output C = 1-5 volt fed to a chart recorder.

The isolation between the Input / Output / Case is 1.5kV and the isolation between each output is 500 volts.

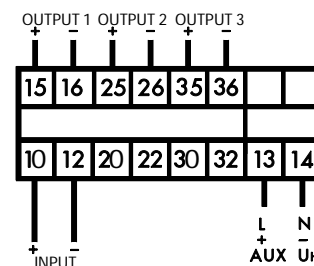
ORDERING INFORMATION

Product Code	Input	In	Output	Aux.	Freq.	Options
M100-DM3	1mA	A= 1mA	B=4-20mA	230V	50Hz	C=10V

OPTIONS

1. Non standard inputs / outputs only as far as technically acceptable.
2. A.C. Auxiliary in range 57.7 to 450 volts
3. Calibration at temperature other than 23°C

CONNECTION DIAGRAMS



M100-DM3