

Current Loop Supplies & DC Power Supplies

Compact Plug-in Design



M2 Series



W2 Series

M2DY / M2DYS Single output
W2DY Two isolated outputs

- Shortcircuit protection
- Monitor terminal (1-5 V)
- Two independent ranges can be specified with the signal splitter.

M2DYH HART Isolator

- Isolates and relays HART signals
- Shortcircuit protection

M2DL Non isolated, square root extractor

- Shortcircuit protection
- Low-end cutout 4-8 %
- Monitor terminal (4-20 mA)

M2D2 Non isolated

- 30mA load current
- Shortcircuit protection

Low-profile, Low Cost Type



M5DY



W5DY

M5DY Single output
W5DY Two isolated outputs

- 41 mm (1.6") deep
- Shortcircuit protection
- Monitor terminal (1-5 V)
- Two independent ranges can be specified with the signal splitter.

DC Power Supply



MDC5 **NEW**

- Accepts 100-240 Vac and provides regulated 24 Vdc output (60W)
- Maintenance forecast monitor function

SPECIFICATIONS

Series	M2 / W2 Series				M5 / W5 Series	
Single output model	M2DY / M2DYS	M2DYH	M2DL	M2D2	M5DY	
Dual output model	W2DY				W5DY	
Input	4-20 mA				4-20 mA	4-20 mA
Supply output	24-28 Vdc with no load				24 Vdc w/no load	24-28 Vdc w/no load
Current rating	22mA				30mA	22mA
DC current output	4-20 mA, 2-10 mA, 1-5 mA	4-20 mA	----	4-20 mA (Out 2)	Specific range of 0-20 mA; Min. 1mA span e.g. 4-20 mA	
Load resistance	≤750Ω at 4-20 mA	≤600Ω	----	----	≤550Ω at 4-20 mA	
Load resistance, Out 2	≤350Ω at 4-20 mA	----	----	----	----	
DC voltage output	0-10 mV, 0-100 mV 0-1 V, 0-5 V 0-10 V, 1-5 V	----	1-5 V	1-5 V (Out 1)	Specific range of 0-10 V; Min. 1V span e.g. 1-5 V, 0-10 V	
Load resistance	≥5kΩ at 1-5 V	----	≥10kΩ	≥250kΩ	≥500Ω at 1-5 V	
Power input	24 Vdc or 100-240 Vac				24 Vdc or 100-240 Vac	
Accuracy	±0.1%	±0.1%	±0.2%	±0.1%	±0.1%	
Response time (0-90%)	≤0.5 sec.	≤0.5 sec.	≤0.5 sec.	----	≤0.5 sec. standard; 25 msec. optional	
Operating temperature	-5 to +55°C (23 to 131°F)					
Insulation resistance	≥100MΩ with 500 Vdc					
Dielectric strength	2000 Vac @1 minute (input to output to power to ground)				2000 Vac @1 minute (DC powered) 1500 Vac @1 minute (AC powered)	
CE marking	Yes	----	Yes	Yes	Yes (24 Vdc powered)	
Safety approval	UL nonincendive (M2DY)	----	UL nonincendive	----	----	