

## Two-Wire Fixed Range Isolators/DC mV, V, mA Input

### Compact Plug-in Design

M2SN-1 Input loop powered (self-powered), One channel  
M2SN-2 Input loop powered (self-powered), Two channels

- No external power source required
- 4-20 mA or 10-50 mA input



### Thin-profile Type

B3VS/1 Output loop powered, One channel  
B3VS/2 Output loop powered, Two channels

- 18 mm (.71") wide
- Specific input range of  $\pm 100V$ ; current input with the incorporated resistor



### Low-profile, Low Cost Type

B5SN Input loop powered (self-powered)  
B5VS Output loop powered

- 41 mm (1.6") deep
- Optional 25 msec. response time selectable for B5VS



#### SPECIFICATIONS

Configuration	Input loop powered (Self-powered)	
Series	M2 Series	B5 Series
Model No.	M2SN	B5SN
Input	4-20 mA, 10-50 mA	4-20 mA
Output	4-20 mA, 1-5 V	4-20 mA
Load resistance	50 to 350 $\Omega$ with 4-20 mA input/output	
Accuracy	$\pm 0.1\%$	
Response (0-90%)	15 msec., current output $\leq 0.5$ sec., voltage output	
Operating temp	-5 to +55°C (23 to +131°F)	
Insulation resistance	$\geq 100M\Omega$ with 500 Vdc	
Dielectric strength	500 Vac @1 minute (input to output)	
CE marking	Yes	
Safety approval	UL nonincendive	---

#### SPECIFICATIONS

Configuration	Output loop powered	
Series	B3 Series	B5 Series
Model No.	B3VS	B5VS
DC voltage input (Specific range within)	-100 to +100 V Min. 1V span	-30 to +30 V Min. 100mV span
DC current input	Resistor incorporated; 4-20 mA, 0-10 mA, etc.	
Output	4-20 mA (600 $\Omega$ at 24V)	
Supply voltage	12-45 Vdc	12-28 Vdc
Accuracy	$\pm 0.1\%$	$\pm 0.1\%$
Response (0-90%)	$\leq 0.1$ sec.	$\leq 0.5$ sec. 25 msec. optional
Operating temp	-40 to +85°C (-40 to +185°F)	-40 to +80°C (-40 to +176°F)
Insulation resistance	$\geq 100M\Omega$ with 500 Vdc	
Dielectric strength	2000 Vac @1 minute (input to output to ground)	
CE marking	Yes	