


**► Plug-In Panel Products - SCM5B, SCM7B, 8B, SCM9B**

Characteristic	SCM5B	SCM7B	8B	SCM9B
Mechanical Format	Modular plug-in-board	Modular plug-in-board	Modular plug-in-board	Plug-in or hockey puck
Isolation: Voltage Type	1500Vrms Transformer 3-way	1500Vrms Transformer 2-way	1500Vrms Transformer 2-way	500Vrms Transformer/Optical 2-way
CMR	160dB	110dB	100dB	100dB
NMR (60Hz) Rejection	95dB (4Hz modules)	85dB (3Hz modules)	70dB	Software configurable
Bandwidth	4Hz to 10kHz	3Hz to 10kHz	3Hz to 20kHz	Software configurable
Filter	6-pole	5-pole	3- to 5-pole	Digital
Input Voltage Withstand	240Vrms	120Vrms	240Vrms	120 or 250Vrms
Input Signals	(1)	(2)	(1)	(3)
Output Range to System	0-5VDC, 0-10VDC, $\pm$ 5VDC, $\pm$ 10VDC, 0-1mA, 0-20mA, 4-20mA	1-5VDC, 0-5VDC, 0-10VDC, $\pm$ 10VDC	0-5VDC, $\pm$ 5VDC	RS-232 or RS-485
Output Range to Field	4-20mA, 0-20mA, $\pm$ 20mA, $\pm$ 5VDC, $\pm$ 10VDC, 0-5VDC, 0-10VDC	$\pm$ 10VDC, 4-20mA, 0-20mA	4-20mA, 0-20mA, $\pm$ 20mA, $\pm$ 5VDC, $\pm$ 10VDC, 0-5VDC, 0-10VDC	4-20mA, 0-20mA, 0-1VDC, $\pm$ 1VDC, 0-5VDC, $\pm$ 5VDC, 0-10VDC, $\pm$ 10VDC
Gain/Offset Adjust	Fixed	Fixed	Fixed	Auto zero, auto cal
Accuracy	0.03% Typical	0.03% Typical	0.05% Typical	0.02% Typical
Output Control	Enable/Disable	Always enabled	Always enabled	RS-232 or RS-485
Supply Voltage	+5VDC $\pm$ 5% at 30-350mA	14-35VDC (+24V Nom) at 12-70mA	+5VDC $\pm$ 5% at 25-225mA	12-30VDC at 0.75W max
Dimensions (h)(w)(d)	2.28" x 2.26" x 0.6" 58mm x 57mm x 15mm	2.13" x 1.7" x 0.6" 54.1mm x 43.3mm x 15.4mm	1.11" x 1.65" x 0.4" 28.1mm x 41.9mm x 10.2mm	3.60" x 2.45" x 1.10" 91.4mm x 62.2mm x 27.9mm
Interface	14-pin	5- or 6-pin	5-, 6- or 7-pin	10- or 20-pos term block
Customization	yes	yes	yes	no

**► Din Rail, Head Mount Products - DSCA, DSCT, DSCL, DSCP, SCTP**

Characteristic	DSCA	DSCT	DSCL	DSCP/SCTP
Mechanical Format	DIN rail mount	DIN rail mount	DIN rail, component, panel	DIN rail, head mount
Isolation: Voltage Type	1500Vrms Transformer 3-way	1500Vrms Transformer 3-way	500Vrms to 4000Vrms Transformer/optical	Non/1500Vrms/2300Vrms Transformer/optical 3-way
CMR	160dB	160dB	70-110dB	Consult data sheet
NMR (60Hz) Rejection	85dB (3Hz modules)	85dB (3Hz XMTRs)	20dB/decade	SW or dip-switch config
Bandwidth	3Hz to 3kHz	3Hz	5Hz to 750Hz	SW or dip-switch config
Filter	6-pole	6-pole	2-pole	SW or dip-switch config
Input Voltage Withstand	240Vrms	240Vrms	N/A	N/A
Input Signals	(1)	(5)	0/4-20mA	(4)
Output Range to System	0-10VDC, $\pm$ 10VDC, 0-1mA 4-20mA, 0-20mA	4-20mA	0/4-20mA, V, & selectable	SW or dip-switch config
Output Range to Field	4-20mA, 0-20mA, $\pm$ 20mA, $\pm$ 10VDC, 0-10VDC	N/A	N/A	N/A
Gain/Offset Adjust	$\pm$ 5%	$\pm$ 10%	$\pm$ 10% on some models	Software configurable
Accuracy	0.03% Typical	0.03% Typical	0.05% to 0.1% Typical	0.1% Typical
Output Control	Always enabled	Always enabled	Always enabled	Always enabled
Supply Voltage	15-30VDC (+24V Nom) at 25-80mA	10.8-100VDC loop at 4-20mA	24VDC loop at 4-20mA	24VDC loop, or 24 to 230VDC/VAC
Dimensions (h)(w)(d)	2.95" x 0.89" x 4.13" 75mm x 22.5mm x 105mm	2.95" x 0.89" x 4.13" 75mm x 22.5mm x 105mm	Consult data sheet	Consult data sheet
Interface	8-pos term block	6-pos term block	Terminal block	Terminal block
Customization	yes	yes	no	SW or dip-switch config

## NOTES:

 (1) V, I, RTD, TC, Potentiometer, Strain, True rms, 2-wire, Frequency (3) V, I, RTD, TC, Frequency, Digital I/O (5) V, I, RTD, TC, Potentiometer  
 (2) V, I, RTD, TC, Potentiometer, 2-wire (4) V, I, RTD, TC