

Signal Isolators  
Transmitters  
Loop Powered Indicators  
Analog Input Modules



2-WIRE TEMPERATURE TRANSMITTERS											P3
Description	Model	Input Type	Input User Programmable	Output Type	Accuracy	Isolation	Loop Supply (V DC)	Technology	Operating Ambient Temperature	Dimensions in mm	Mounting
Hart, 2-wire, Isolated Temperature Transmitter	SCC631	Universal	Yes, using HART programmer or DCC503 or DCC501	2-wire, 4-20 mA, HART	0.1%	2000 V AC	7.5 ~ 48	Microprocessor	-20 to +85 °C	44x22.5	for DIN form B sensor head
2-wire, Isolated Temperature Transmitter	SCC641	Universal	Yes, using DCC501	2-wire, 4-20 mA	0.1%	2000 V AC	7.5 ~ 48	Microprocessor	-20 to +85 °C	44x22.5	for DIN form B sensor head
2-wire Temperature Transmitter	SCC642	RTD	Yes, using DCC501	2-wire, 4-20 mA	0.1%	NA	7.5 ~ 45	Microprocessor	-20 to +85 °C	44x22.5	for DIN form B sensor head
2-wire Temperature Transmitter, Low Profile	SCC643	RTD	Yes, using DCC501	2-wire, 4-20 mA	0.1%	NA	7.5 ~ 45	Microprocessor	-20 to +85 °C	47x17	for DIN form B sensor head
2-wire, Temperature Transmitter, Ultra-fast	SCC671	RTD	Yes, using DCC511	2-wire, 4-20 mA	0.1%	NA	7.5-30	Analog	-20 to +85 °C	44x22.5	for DIN form B sensor head
2-wire Temperature Transmitter	TX1HM	RTD	No	2-wire, 4-20 mA	0.1%	NA	6.5 ~ 32	Analog	-20 to +70 °C	47x17	for DIN form B sensor head
Hart, 2-wire, Isolated Temperature Transmitter	SCC632	Universal	Yes, using HART programmer or DCC503 or DCC501	2-wire, 4-20 mA, HART	0.1%	2000 V AC	7.5 ~ 45	Microprocessor	-20 to +85 °C	100x12.5x114	DIN rail
2-wire, Isolated Temperature Transmitter	SCC602	Universal	Yes, using DCC501	2-wire, 4-20 mA	0.1%	2000 V AC	7.5 ~ 48	Microprocessor	-20 to +85 °C	100x12.5x114	DIN rail
2-wire Temperature Transmitter	SCC622	RTD	Yes, using DCC501	2-wire, 4-20 mA	0.1%	NA	7.5 ~ 48	Microprocessor	-20 to +85 °C	100x12.5x114	DIN rail
2-wire Temperature Transmitter	TX1DR	RTD or TC	No	2-wire, 4-20 mA	0.1%	NA	6.5 ~ 32	Analog	-20 to +55 °C	80x25x85	DIN rail
2-wire, Isolated Temperature Transmitter	TX2DR	RTD or TC	No	2-wire, 4-20 mA	0.1%	1500 V AC	10-30	Analog	-20 to +55 °C	80x25x85	DIN rail
2-wire Temperature Transmitter	SCC621	RTD	No	2-wire, 4-20 mA	0.1%	NA	6.5 ~ 32	Analog	-20 to +55 °C	100x12.5x114	DIN rail
Hart, 2-wire, Isolated Temperature Transmitter	SCC633	Universal	Yes, using HART programmer	2-wire, 4-20 mA, HART	0.1%	2000 V AC	10.5-45	Microprocessor	-20 to +85 °C	96x120	Field mount
2-wire, Programmable Temperature Transmitter	TX3DR	Universal	Yes, using DCC501	2-wire, 4-20 mA, 20-4 mA	0.1%	1000 V AC	14-32	Microprocessor	0 to 60 °C	75x45x109.5	DIN rail
2-wire, Programmable Temperature Transmitter	TX3DR	Universal	Yes, using DCC501	2-wire, 4-20 mA, 20-4 mA	0.1%	1000 V AC	14-32	Microprocessor	0 to 60 °C	75x45x109.5	Pipe or Wall mount

LOOP POWERED ISOLATORS										P5
Description	Model	Input	Output	Accuracy	Load	Loop Drop	Isolation	Dimensions (in mm)	Mounting	
Loop Powered Isolator	LPI51	4-20mA	4-20mA	±0.1%	25 -375 ohms	3.7V	1500 V AC	80x25x85	DIN rail	
Loop Powered Isolator	LPI61	4-20mA	4-20mA	±0.1%	0-600 ohms	5V	1500 V AC	80x25x85	DIN rail	

SIGNAL ISOLATORS											P6
Description	Model	Input	Input User Programmable	Output Type	No. of Outputs	Communication Port	Isolation	Supply	Technology	Dimensions in mm	Mounting
Signal Isolator	SI3P	Universal	No	4-20mA, 0-10VDC	1	No	1500 V AC	20-36VDC, 85-265VAC	Analog	75x55x100	DIN rail
Signal Isolator	SI4P	4-20mA	No	4-20mA	2	No	1500 V AC	17-35VDC, 85-265VAC	Analog	75x55x100	DIN rail
Programmable Signal Isolator	SCC311	Universal	Yes, using DCC501 or through keys	4-20mA, 0-10VDC	1 or 2	RS485	1000 V AC	20-30VDC, 85-265VAC	Microprocessor	75x55x100	DIN rail
Programmable Signal Isolator	MSI7P	Universal	Yes, through keys	4-20mA, 0-10VDC	3, 4, 5	RS485	1000 V AC	20-35VDC, 85-265VAC	Microprocessor	75x100x110	DIN rail
Programmable Signal Isolator	SCC313	Universal	Yes, using DCC501	4-20mA, 0-10VDC	1 or 2	RS485	1500 V AC	18-42VDC, 85-265VAC	Microprocessor	100x22.5x114	DIN rail
Ac/dc Voltage/current Transducer, Dual Output	SCC314	ADC, AAC, VAC, VDC	Yes, using DCC501 or DIP	4-20mA, 0-10VDC	1 or 2	RS485	1500 V AC	18-42VDC, 85-265VAC	Microprocessor	100x22.5x114	DIN rail
Repeater Power Supply / Isolating Driver	SCC301	0-20mA	No	0-20mA	1	HART compatible	1500 V AC	20-35VDC	Analog	80x25x85	DIN rail
Signal Isolator	SCC401	Universal	No	4-20mA, 0-10VDC	1	No	1500 V AC	20-36VDC, 85-265VAC	Analog	100x22.5x114	DIN rail
Ac/dc Voltage/ Current Transducer	SCC402	AAC, VAC, VDC	No	4-20mA, 0-10VDC	1	No	1500 V AC	20-36VDC, 85-265VAC	Analog	100x22.5x114	DIN rail
Signal Isolator	VISO	0-±10VDC	No	0-±10VDC	2	No	1500 V AC	17-35VDC	Analog	75x55x100	DIN rail

LOOP POWERED INDICATORS										P7
Description	Model	Input	Display	Range	Accuracy	Loop Drop	Dimensions (in mm)	Mounting		
Programmable Loop Powered LED Indicator	PLD40	4-20mA	LED, 14.2 mm x 4 digit	-1999 ~ 9999	0.1%	< 5V	80x82x55	Field / Wall		
Programmable Loop Powered LED Indicator	PLD40	4-20mA	LED, 14.2 mm x 4 digit	-1999 ~ 9999	0.1%	< 5V	48x96x35	Panel		
Programmable Loop Powered LED Indicator	PLD40	4-20mA	LED, 14.2 mm x 4 digit	-1999 ~ 9999	0.1%	< 5V	142x84	2" Pipe		
Loop Powered Indicator	SD201	4-20mA	LCD, 12.7 mm x 3.5 digit	-1999 ~ 1999	0.025%	< 1V	80x120x55	Field		

ANALOG INPUT MODULES										P8
Description	Model	No. of Channels	Input type	Input User Programmable	Input Channel-to-Channel Isolation	Communication Port	Supply	Dimensions (in mm)	Mounting	
Analog Input Module	SCM201	8	Universal	Yes, through keys	No	RS485	17-60 VDC, 85-265 VAC	75x100x110	DIN rail	
Analog Input Module with Channel-to-channel Isolation	SCM211	4	Universal	Yes, through keys	300 VAC or 400 VDC	RS485	17-60 VDC, 85-265 VAC	75x100x110	DIN rail	
Analog Input Module with Ethernet Port	SCM203	8	Universal	Yes, through keys	No	Ethernet	17-60 VDC, 85-265 VAC	75x100x110	DIN rail	

## 2-WIRE HEAD MOUNT TEMPERATURE TRANSMITTERS

### HART, 2-WIRE ISOLATED TEMPERATURE TRANSMITTER HEAD MOUNT, UNIVERSAL INPUT, PROGRAMMABLE

SCC631

- Head mount
- 2-wire, 4~20mA output with HART
- Universal input - Thermocouple, RTD, Resistance, Voltage
- 0.1% accuracy
- 7.5 to 48 VDC supply voltage range
- -20 to +85 °C operating temperature
- 2000V AC RMS isolation
- Resistance input upto 5K
- Voltage input upto 1000mV
- Active temperature compensation
- Microprocessor technology
- PC programmable



### 2-WIRE ISOLATED TEMPERATURE TRANSMITTER HEAD MOUNT, UNIVERSAL INPUT, PROGRAMMABLE

SCC641

- Head mount
- 2-wire, 4~20mA output
- Universal input - Thermocouple, RTD, Resistance, Voltage
- 0.1% accuracy
- 7.5 to 48 VDC supply voltage range
- -20 to +85 °C operating temperature
- 2000V AC RMS isolation
- Resistance input upto 5K
- Voltage input upto 1000mV
- Active temperature compensation
- Microprocessor technology
- PC programmable



### 2-WIRE TEMPERATURE TRANSMITTER HEAD MOUNT, Pt100 INPUT, PROGRAMMABLE

SCC642

- Head mount
- 2-wire, 4~20mA output
- Input - RTD Pt100, others RTDs on request (factory set)
- 0.1% accuracy
- 7.5~45 V DC supply voltage range
- -20 to +85 °C operating temperature
- Non- isolated
- Resistance input upto 5K
- Active temperature compensation
- Microprocessor technology
- PC programmable



### 2-WIRE TEMPERATURE TRANSMITTER HEAD MOUNT, RTD INPUT, PROGRAMMABLE

SCC643

- Ultra-compact head mount design, Low profile
- 2-wire, 4~20mA output
- Input - RTD, others on request
- 0.1% accuracy
- 7.5~45 VDC supply voltage range
- -20 to +85 °C operating temperature
- Non- isolated
- Resistance input upto 5K
- Voltage input upto 1000mV
- Active temperature compensation
- Microprocessor technology
- PC programmable



### 2-WIRE, TEMPERATURE TRANSMITTER ULTRA FAST, PROGRAMMABLE, RTD TRANSMITTER

SCC671

- Head mount
- 2-wire, 4~20mA output
- Input - RTD Pt100, others RTDs on request (factory set)
- 0.1% accuracy
- 2 milliseconds response time
- 7.5 to 30 VDC supply voltage range
- -20 to +85 °C operating temperature
- Non- isolated
- Analog circuit - no microprocessor
- PC programmable



### 2-WIRE TEMPERATURE TRANSMITTER HEAD MOUNT, Pt100

TX1HM

- Ultra-compact head mount
- 2-wire, 4~20 mA output
- Input - RTD Pt100, others RTDs on request
- 0.1% accuracy
- 6.5~32 V DC supply voltage range
- Solder jumpers for Span/Zero, Sensor break, Upscale/Downscale, 4~20 mA / 20~4 mA output
- 8 SPAN ranges, 25 to 600 C° / 45 to 1080 F°
- 4 ZERO ranges, -100 to +70 °C / -148 to +158 °F
- -20 to +70 °C operating temperature
- 6.5 V loop drop allows 800 Ω load @ 24 V DC
- ON LED shows state
- Analog circuit - no microprocessor
- Non-programmable



## 2-WIRE DIN RAIL TEMPERATURE TRANSMITTERS

**HART, 2-WIRE ISOLATED TEMPERATURE TRANSMITTER**  
DIN-RAIL MOUNT, UNIVERSAL INPUT

SCC632

- 12.5mm slim Din-rail enclosure
- 2-wire, 4~20mA output with HART
- Universal input - Thermocouple, RTD, Resistance, Voltage
- 0.1% accuracy
- 7.5 to 48 VDC supply voltage range
- -20 to +85 °C operating temperature
- 2000V AC RMS isolation
- Resistance input upto 5K
- Voltage input upto 1000mV
- Active temperature compensation
- Microprocessor technology
- PC programmable



**2-WIRE ISOLATED TEMPERATURE TRANSMITTER**  
DIN-RAIL MOUNT, UNIVERSAL INPUT, 12.5mm WIDE

SCC602

- 12.5mm slim Din-rail enclosure
- 2-wire, 4~20mA output
- Universal input - Thermocouple, RTD, Resistance, Voltage
- 0.1% accuracy
- 7.5 to 48 VDC supply voltage range
- -20 to +85°C operating temperature
- 2000V AC RMS isolation
- Resistance input upto 5K
- Voltage input upto 1000mV
- Active temperature compensation
- PC programmable



**2-WIRE TEMPERATURE TRANSMITTER**  
DIN RAIL MOUNT, Pt100, PROGRAMMABLE, 12.5mm WIDE

SCC622

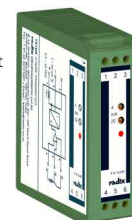
- Slim, 12.5 mm Din rail enclosure
- 2-wire, 4~20mA output
- Input - RTD Pt100, other RTDs on request (factory set)
- 0.1% accuracy
- -20 to +85 °C operating temperature
- 7.5~45 VDC supply voltage range
- Resistance input upto 10 K
- Active temperature compensation
- PC programmable



**2-WIRE TEMPERATURE TRANSMITTER**  
DIN RAIL MOUNT, Pt100 OR TC INPUT

TX1DR

- Din rail enclosure
- 2-wire, 4~20mA output
- Input - RTD Pt100 or Tc mV (factory set)
- 0.1 % Accuracy
- 6.5~32 V DC supply voltage range
- Solder jumpers for Span/Zero, Sensor break
- Upscale/Downscale, 4~20 mA / 20~4 mA output
- 8 SPAN ranges, 25 to 600 C° / 45 to 1080 F°
- 4 ZERO ranges, -100 to +70 °C / -148 to +158 °F
- -20 to +55 °C operating temperature
- 6.5 V loop drop allows 800 W load @ 24 V DC
- ON LED shows state
- Analog circuit - no microprocessor
- Non-programmable



**2-WIRE, ISOLATED TEMPERATURE TRANSMITTER**  
DIN-RAIL MOUNT, Pt100 OR TC INPUT

TX2DR

- Din-rail enclosure
- 2-wire, 4~20mA output
- Input - RTD Pt100, other RTDs on request or J, K, N thermocouple (any one factory set)
- 0.1 % Accuracy
- 10~30 VDC supply voltage range
- Solder jumpers for Span/Zero, Sensor break
- Upscale/Downscale
- 1500 VAC RMS & 250 VAC RMS (continuous) isolation
- 8 SPAN ranges, 25 to 600 C° / 45 to 1080 F°
- 4 ZERO ranges, -100 to +70°C / -148 to +158°F
- -20 to +55 °C operating temperature
- ON LED shows state
- Analog circuit - no microprocessor
- Non-programmable



**2-WIRE TEMPERATURE TRANSMITTER**  
DIN RAIL MOUNT, Pt100, 12.5mm WIDE

SCC621

- 12.5mm slim Din rail enclosure
- 2-wire, 4~20 mA or 20~4 mA output
- Input - RTD Pt100, others RTDs on request (factory set)
- 6.5~32 VDC supply voltage range
- Solder jumpers for Span/Zero, Sensor break : Upscale/Downscale, 4~20 mA / 20~4 mA output
- 8 SPAN ranges, 25 to 600 C° / 45 to 1080 F°
- 4 ZERO ranges, -100 to +70 °C / -148 to +158 °F
- -20 to +55 °C operating temperature
- 6.5 V loop drop allows 800 ohms load @ 24 V DC
- ON LED shows state
- Analog circuit - no microprocessor
- Non-programmable



# SIGNAL ISOLATORS, TRANSMITTERS



## 2-WIRE DIN RAIL TEMPERATURE TRANSMITTERS

**HART, 2-WIRE, ISOLATED TEMPERATURE TRANSMITTER**  
FIELD MOUNT, UNIVERSAL INPUT **SCC633**

- Field mount flameproof enclosure
- 2-wire, 4-20mA output with HART
- Universal input - Thermocouple, RTD, Resistance, Voltage
- 0.1% accuracy
- 10.5 to 45 VDC supply voltage range
- -30 to +70 °C operating temperature
- 2000 VAC RMS isolation
- Backlit LCD display with bargraph
- Self-diagnostics function
- IP65 protection
- Microprocessor technology
- PC programmable



**2-WIRE, TEMPERATURE TRANSMITTER**  
DIN RAIL MOUNT, UNIVERSAL INPUT, LED DISPLAY **TX3DR**

- Din rail, pipe mount FLP & wall mount FLP versions
- 2-wire, 4-20 mA output
- Universal input - Thermocouple, RTD, Resistance, Voltage, Current
- 0.1% accuracy
- 14-32 V DC supply voltage range
- 0-60 °C operating temperature
- 1000 VAC RMS / 1 min isolation
- Resistance input upto 10K
- Voltage input upto 10000mV
- Active temperature compensation
- Microprocessor technology
- PC programmable



**2-WIRE, TEMPERATURE TRANSMITTER**  
PIPE OR WALL MOUNT, UNIVERSAL INPUT, LED DISPLAY **TX3DR**

- Pipe mount & wall mount flameproof enclosure
- 2-wire, 4-20 mA output
- Universal input - Thermocouple, RTD, Resistance, Voltage, Current
- 0.1% accuracy
- 14-32 V DC supply voltage range
- 0-60 °C operating temperature
- 1000 VAC RMS / 1 min isolation
- Resistance input upto 10K
- Voltage input upto 10000mV
- Active temperature compensation
- Microprocessor technology
- PC programmable



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## LOOP POWERED ISOLATORS

**LOOP POWERED ISOLATOR**  
4-20mA INPUT/OUTPUT, NO SUPPLY **LPI51**

- DIN rail mount
- 4-20mA output
- Input : 4-20mA
- 0.1% accuracy
- 1500 VAC RMS / 1 min isolation
- 3.7 V loop drop
- 25 ~ 375 ohms load
- No power supply required
- ON LED shows state
- Analog circuit - no microprocessor
- Non- programmable



**LOOP POWERED ISOLATOR**  
4-20mA INPUT/OUTPUT, NO TRIM FOR LOAD, NO SUPPLY **LPI61**

- DIN rail mount
- 4-20mA output
- Input : 4-20mA
- 0.1% accuracy
- 1500 VAC RMS / 1 min isolation
- 5 V loop drop
- 0 ~ 600 ohms load without trimming
- No power supply required
- Analog circuit - no microprocessor
- Non- programmable



# SIGNAL ISOLATORS, TRANSMITTERS



## SIGNAL ISOLATORS

### SIGNAL ISOLATOR SINGLE INPUT/OUTPUT, 55mm WIDE

SI3P

- Din-rail mount
- 0/4-20 mA, 0-1/5/10 VDC output
- Input: 0/4-20 mA, Ohms, RTD, Thermocouples, AC Amps, AC volts, load cell, etc. (factory set)
- 0.1% accuracy
- 17-35 VDC, 85-265 VAC supply voltage range
- 0 to +60 °C operating temperature
- 1500 VAC / 1 min, 250 VAC continuous isolation
- Eliminates electromagnetic interference and ground loops
- Allows small, sensitive signals to be transmitted over a long distance
- Analog circuit - no microprocessor
- Non-programmable



### SIGNAL ISOLATOR 4-20mA INPUT, 2 x 4-20mA OUTPUT

SI4P

- Din-rail mount
- 2-wire, 4-20 mA or 20-4 mA output
- Input : 2-wire transmitter 4-20 mA, 0/4-20 mA
- < 0.1% accuracy
- 17-35 VDC, 85-265 VAC supply voltage range
- -25 to +50 °C operating temperature
- 1500 VAC / 1 min isolation
- Mutual isolation between input, output1, output2 and power supply
- Line fault detection feature provides alarm facilities
- Input protection option
- Analog circuit - no microprocessor
- Non-programmable



### PROGRAMMABLE SIGNAL ISOLATOR UNIVERSAL INPUT, DUAL OUTPUT, LED DISPLAY

SCC311

- Din-rail mount
- 1 or 2 x 0/4-20 mA, 0-1/5/10 V DC output
- Universal input - Thermocouple, RTD, Resistance, Voltage, Current
- Programmable ranges
- 85-265 V AC/DC or 20-30 V DC supply voltage range
- 4 digit 7 segment LED display
- Input/supply/outputs mutually isolated
- Calibration and configuration through PC using DCC501 USB-to-Serial converter
- RS485/MODBUS RTU option
- PC programmable



### PROGRAMMABLE SIGNAL ISOLATOR UNIVERSAL INPUT, 5 ISOLATED OUTPUTS, RS485

MSI7P

- Din-rail mount
- 3/4/5 x 4-20 mA (or voltage) output
- Universal input - Thermocouple, RTD, Resistance, Voltage, Current
- Programmable ranges
- 85-265 VAC/DC or 20-35 VDC voltage supply range
- 2 x 16 LCD display
- Input/supply/outputs mutually isolated
- Calibration through keys - no trim pots
- RS485/MODBUS RTU option
- PC programmable



### PROGRAMMABLE SIGNAL ISOLATOR UNIVERSAL INPUT, DUAL OUTPUT, RS485

SCC313

- Din-rail mount
- 1 or 2 x 0/4-20 mA, 0-1/5/10 V DC output
- Universal input - Thermocouple, RTD, Resistance, Voltage, Current
- Programmable ranges
- 85-265 V AC or 18-42 V DC supply voltage range
- Input / supply / outputs mutually isolated
- Calibration and configuration through PC using DCC501 USB-to-Serial converter
- RS485, MODBUS RTU option
- Fast response output option
- Microprocessor technology
- PC programmable



### AC/DC VOLTAGE/CURRENT TRANSDUCER, DUAL OUTPUT AC/DC VOLTS/AMPS INPUT, DUAL ISOLATED OUTPUT, RS485

SCC314

- 22.5mm Din-rail enclosure
- 2 x 0/4-20 mA, 0-1/5/10 V DC output
- Input : AC Volts, AC Amps, DC Volts, DC Amps
- Accuracy : Class 0.5, Class 0.2
- 85-265 VAC or 18-42 VDC supply voltage range
- 1500 VAC RMS / 1 min isolation
- RS485, MODBUS RTU option
- Microprocessor technology
- PC programmable



# SIGNAL ISOLATORS, TRANSMITTERS



## SIGNAL ISOLATORS

### REPEATER POWER SUPPLY / ISOLATING DRIVER 4~20mA INPUT/OUTPUT

SCC301

- 25 mm, din-rail mount
- 0/4~20 mA output with HART
- Input : 0/4~20 mA
- $\pm 0.1\%$  accuracy
- 20~35 VDC supply voltage range
- -25 to +55 °C operating temperature
- 1500 VAC RMS / 1 min isolation
- Resistance input upto 750 ohms
- ON LED shows state
- Analog circuit - no microprocessor
- Non-programmable



### SIGNAL ISOLATOR SINGLE INPUT/OUTPUT, 22.5MM WIDE

SCC401

- 22.5mm Din-rail mount
- 0/4~20 mA, 0~1/5/10 VDC output
- Input: 0/4~20 mA, Ohms, RTD, Thermocouples, etc. (factory set)
- 0.1% accuracy
- 20~36 VDC, 85~265 VAC supply voltage range
- 0 to +60 °C operating temperature
- 1500 VAC / 1 min, 250 VAC continuous isolation
- Eliminates electromagnetic interference and ground loops
- Allows small, sensitive signals to be transmitted over a long distance
- Analog circuit - no microprocessor
- Non-programmable



### AC/DC VOLTAGE/CURRENT TRANSDUCER AC/DC VOLTS/AMPS INPUT

SCC402

- 22.5mm Din-rail enclosure
- 0/4~20 mA, 0~1/5/10 V DC output
- Input : AC Volts, AC Amps, DC Volts, DC Amps
- Accuracy : Class 0.5, Class 0.2
- 85~265 VAC, 20~36 VDC supply voltage range
- 1500 VAC RMS / 1 min isolation
- Analog circuit - no microprocessor
- Non-programmable



### SIGNAL ISOLATOR $\pm 10$ V INPUT/DUAL OUTPUT, < 0.5 ms RESPONSE TIME

VISO

- Din-rail mount
- 0 ~  $\pm 10$  V, 1 or 2 outputs
- Input : 0 ~  $\pm 10$  V /  $\pm 5$  V /  $\pm 2$  V /  $\pm 1$  V
- 0.02% accuracy
- 17~35 VDC supply voltage range
- Excellent for fast and transient phenomena
- 1500 VAC RMS / 1 min isolation
- Analog circuit - no microprocessor
- Non-programmable



## LOOP POWERED INDICATORS

### LOOP POWERED INDICATOR 3½ DIGIT, 12.5mm LCD DISPLAY, 1V LOOP DROP, NO SUPPLY

SD201

- Field mount & flameproof enclosure
- 4~20mA loop powered - no supply needed
- Loop voltage drop < 1 volt @ 20 mA
- 0.025% accuracy
- 12.5mm, 3½ digit LCD display
- Range -1999 to +1999
- Linear function
- Span, zero, decimal point user settable
- IP65 field mount enclosure
- Analog circuit - no microprocessor
- Non-programmable



### PROGRAMMABLE LOOP POWERED LED INDICATOR 4 DIGIT LED DISPLAY, 5V LOOP DROP, NO SUPPLY, PANEL MOUNT

PLD40

- Panel mount
- 4~20mA loop powered - no supply needed
- Loop voltage drop < 5 volts
- 0.1% accuracy
- 14.2mm, 4 digit LED display
- Linear/square root function
- Span, zero, decimal point user settable
- Software calibration - no trimpots
- IP66 field mount enclosure
- Microprocessor technology
- PC programmable



# SIGNAL ISOLATORS, TRANSMITTERS



## LOOP POWERED INDICATORS

### PROGRAMMABLE LOOP POWERED LED INDICATOR 4 DIGIT LED DISPLAY, 5V LOOP DROP, NO SUPPLY, FIELD MOUNT

PLD40

- 55(H) x 82(W) x 80(D) mm wall mount
- 4-20mA loop powered - no supply needed
- Loop voltage drop < 5 volts
- $\pm 0.1\%$  of span (typical) accuracy
- 14.2mm, 4 digit LED display
- Linear/square root function
- Span, zero, decimal point user settable
- Software calibration - no trimpots
- Microprocessor technology
- PC programmable



### PROGRAMMABLE LOOP POWERED LED INDICATOR 4 DIGIT LED DISPLAY, 5V LOOP DROP, NO SUPPLY, FLAMEPROOF

PLD40

- Pipe/ Wall mount
- 4-20mA loop powered - no supply needed
- Loop voltage drop < 5 volts
- $\pm 0.1\%$  of span (typical) accuracy
- 14.2mm, 4 digit LED display
- Linear/square root function
- Span, zero, decimal point user settable
- Software calibration - no trimpots
- Certified IP66 FLP enclosure IS/IEC:60079-1-2007 for Gas Group IIA & IIB
- Microprocessor technology
- PC programmable



## ANALOG INPUT MODULES

### ANALOG INPUT MODULE 8 CHANNELS, UNIVERSAL INPUT, RS485

SCM201

- Din rail enclosure
- Universal input - 8 analog inputs, digital
- Isolated RS485/MODBUS RTU, up to 57600 Baud
- 85-265 VAC or 17-60 VDC supply voltage range
- Calibration and configuration through PC using DCC502 USB-to-Serial converter
- Powerful, flexible SCADA software available
- Tmax - version - 4-20 mA output corresponding to maximum temperature or any selected channel, maximum temperature of all channels, or temperature of any selected channel
- Microprocessor technology



### ANALOG INPUT MODULE UNIVERSAL INPUT, 4 CHANNELS, CHANNEL ISOLATION, RS485

SCM211

- Din rail enclosure
- Universal input - 4 analog inputs, digital
- Channel-to-channel isolation of 300 V AC or 400 V DC
- Isolated RS485/MODBUS RTU, upto 57600 Baud
- 85-265 VAC or 17-60 VDC supply voltage range
- Calibration and configuration through PC using DCC502 USB-to-Serial converter
- Powerful, flexible SCADA software available
- Tmax version with 4-20 mA for highest PV (from all channels)
- Microprocessor technology



### ANALOG INPUT MODULE WITH ETHERNET PORT 8 CHANNELS, UNIVERSAL INPUT, ETHERNET

SCM203

- Din rail enclosure
- Universal input - 8 analog inputs, digital
- 85-265 VAC or 17-60 VDC supply voltage range
- 3 key, 3 level programming
- Powerful, flexible SCADA software available
- MODBUS / TCP & Telnet multidrop communication for PLC, SCADA, etc.
- Microprocessor technology



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