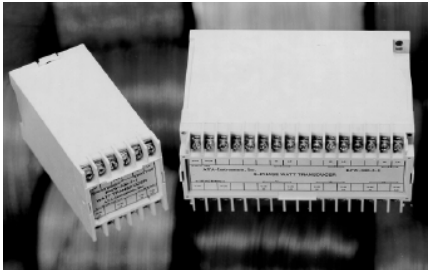


AC Signal Conditioners

**SCA-Series and SCAN-Series
in DIN-Rail Enclosures - 0.5% Accuracy**

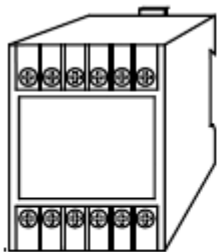


The SCA-Series AC Signal Conditioners are precision amplifiers designed for use in signal acquisition systems and process control applications with accuracies of 0.5%. They are packaged in enclosures designed for permanent installation on DIN-rail or on flat surfaces. Single-channel and triple-channel models are available.

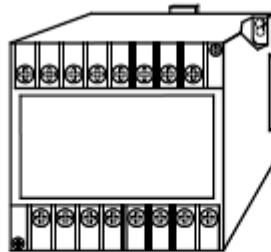
The SCA modules provide input-output isolation and perform conversions of AC Voltage-to-Pulse, AC Current-to-Pulse, AC Voltage-to-DC Current, AC Current-to-DC Voltage, AC Voltage-to-DC Voltage, AC Current-to-DC Current, Frequency-to-DC

Voltage, Frequency-to-DC Current, Frequency-to-Pulse, Pulse-to-DC Voltage, Pulse-to-DC Current and Pulse-to-Pulse conversions at different frequencies. The SCAN Modules are the economical non-isolated versions of their corresponding SC Models.

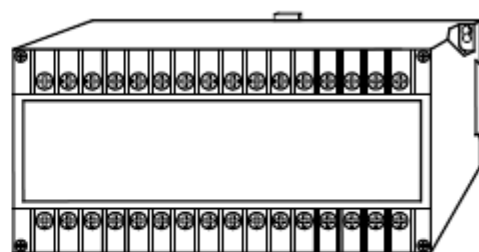
The input voltage options include ranges from 0-1 Volt AC to 0-600 Volts AC. The input current options include ranges from 0-1 to 0-20 Amperes AC without an external current sensor and with frequency range of 20 to 2,000 Hz. The input pulse rate ranges start at 0-5 Pulses-per-Second. The output options are 0-5 Pulses-per-Second, 0-10,000 Pulses-per-Hour, 0-10,000 Closures-per-Hour (Relay Output), 0-1, 0-5, 0-10 Volts DC and 0-1, 0-20, 4-20 Milliampere DC. The standard signal conditioners are powered by 120 VAC 50/60 Hz. Models for use with 240 VAC 50/60 Hz or 12, 24, 48 and 100 Volts DC are optional. Custom modules with multiple functions in one enclosure or with special input and output ranges are also available.



Size B
2.17" x 2.9" x 4.4"



Size C
2.95" x 2.9" x 4.4"



Size E
5.9" x 2.9" x 4.4"

AC Signal Conditioners

0.5% Accuracy

SCA-Series with Isolation

SCAN-Series without Isolation

Specifications

INPUT SIGNAL OPTIONS: 0-1, 0-5, 0-10, 0-60, 0-100, 0-300, 0-600 Volts AC
 0-1, 0-2, 0-5, 0-10, 0-25 AAC
 0-5 Volt Pulses
 (0-5, 15-30, 40-80 PPS)

OUTPUT OPTIONS:
 0-1, 0-5 or 0-10 Volt DC
 0-1, 0-10, 0-20, 4-20 mADC
 0-5 Volt Pulses

ACCURACY CLASS: 0.5% of Full Scale

OUTPUT RIPPLE: 1% Peak-to-Peak Maximum

ISOLATION TEST: 1 kV - 1 Minute

TEMPERATURE RANGE: 0 to +50 Deg. C

STORAGE TEMPERATURE: -20 to +80 Deg. C

POWER: 120 VAC 50-60 Hz
 (120 VAC, 24, 48, 120 VDC OPTIONAL)

Specifications subject to change without notification

Applications and Features

AC CURRENT SENSORS ARE INCORPORATED FOR CURRENTS FROM 1 TO 20 AMPERES DC.

VOLTAGE-TO-CURRENT OR TO-PULSE
 CURRENT-TO-VOLTAGE OR TO-PULSE
 PULSE-TO-VOLTAGE OR TO-CURRENT
 VOLTAGE-TO-VOLTAGE
 CURRENT-TO-CURRENT
 PULSE-TO-PULSE

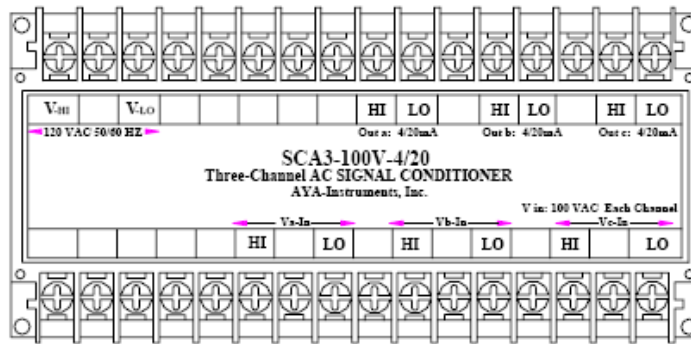
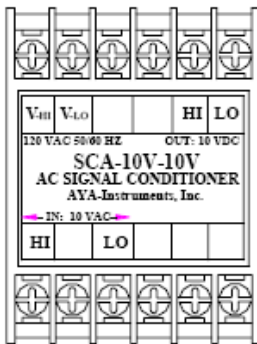
SPECIAL INPUT and OUTPUT RANGES ARE AVAILABLE.

ENCLOSURE TYPE: DIN RAIL TYPE 46277

Single-Channel: 2.17" x 2.9" x 4.4"

Single-Channel with Relay 2.95" x 2.9" x 4.4"

Triple Channel: 5.95" x 2.9" x 4.4"



* FOR MODELS WITH RELAY CONTACTS, ADD "R" TO THE MODEL NUMBER

SELECTION				CHART			
Single-Channel Models: SCA-				Triple-Channel Models: SCA3-			
INPUT	1 VDC	5 VDC	10 VDC	1 mADC	20 mADC	4-20 mADC	5 PPS
0-1VAC	1V-1V	1V-5V	1V-10V	1V-1M	1V-20M	1V-4/20M	1V-5P*
0-5VAC	5V-1V	5V-5V	5V-10V	5V-1M	5V-20M	5V-4/20M	5V-5P*
0-10VAC	10V-1V	10V-5V	10V-10V	10V-1M	10V-20M	10V-4/20M	10V-5P*
0-60VAC	60V-1V	60V-5V	60V-10V	60V-1M	60V-20M	60V-4/20M	60V-5P*
0-150VAC	150V-1V	150V-5V	150V-10V	150V-1M	150V-20M	150V-4/20M	150V-5P*
0-300VAC	300V-1V	300V-5V	300V-10V	300V-1M	300V-20M	300V-4/20M	300V-5P*
0-600VAC	600V-1V	600V-5V	600V-10V	600V-1M	600V-20M	600V-4/20M	600V-5P*
0-5PPS	5P-1V	5P-5V	5P-10V	5P-1M	5P-20M	5P-4/20M	5P-5P*
15-30PPS	15/30P-1V	15/30P-5V	15/30P-10V	15/30P-1M	15/30P-20M	15/30P-4/20M	15/30P-5P*
40-80PPS	40/80P-1V	40/80P-5V	40/80P-10V	40/80P-1M	40/80P-20M	40/80P-4/20M	40/80P-5P*
45-55 Hz	50F-1V	50F-5V	50F-10V	50F-1M	50F-20M	50F-4/20M	50F-5P*
55-65 Hz	60F-1V	60F-5V	60F-10V	60F-1M	60F-20M	60F-4/20M	60F-5P*
350-450 Hz	400F-1V	400F-5V	400F-10V	400F-1M	400F-20M	400F-4/20M	400F-5P*
0-65 Hz	65F-1V	65F-5V	65F-10V	65F-1M	65F-20M	65F-4/20M	65F-5P*
0-450 Hz	450F-1V	450F-5V	450F-10V	450F-1M	450F-20M	450F-4/20M	450F-5P*
0-1000 Hz	1KF-1V	1KF-5V	1KF-10V	1KF-1M	1KF-20M	1KF-4/20M	1KF-5P*