

# 5506

## Analog Input Module

### Features:

- 0 to 20mA / 4 to 20mA inputs
- 0 to 5V / 1 to 5V inputs
- Individual input configuration
- 5501 emulation mode for legacy systems



### Specifications

<b>Input Points</b>	8
<b>Ranges</b>	0-20mA 4-20mA 0-5V 1-5V
<b>LED Indicators</b>	8 red LEDs, indicating current input, voltage input and under or over-range signal applied
<b>Input Configuration</b>	Individual inputs configurable with 4mA/1V (20%) offset and for voltage/current operation when configured as a 5506. All inputs dipswitch-selectable with 4mA/1V (20%) offset and for voltage/current operation when configured to emulate a 5501 module.
<b>Input Resistance</b>	250 ohms - Current configuration ; 66k ohms - Voltage configuration
<b>Resolution</b>	15-bits over the 0-5V and 0-20mA measurement range
<b>Type</b>	Single-ended
<b>Accuracy</b>	±0.1% of full scale at 25°C (77°F) ; ±0.2% over temperature range
<b>Transient Protection</b>	2.5kV surge withstand capability as per ANSI/IEEE C37.90.1-1989
<b>Normal Mode Rejection At 60 Hz with 60Hz Scanning</b>	53dB with 3Hz filter 50dB with 6Hz filter 49dB with 11Hz filter 45dB with 30Hz filter
<b>Normal Mode Rejection At 50 Hz with 50Hz Scanning</b>	73dB with 3Hz filter 56dB with 6Hz filter 52dB with 11Hz filter 49dB with 30Hz filter
<b>Response Time for 10% to 90% Signal Change (60Hz Scanning)</b>	250ms with 3Hz filter 130ms with 6Hz filter 60ms with 11Hz filter 30ms with 30Hz filter
<b>Response Time for 10% to 90% Signal Change (50Hz Scanning)</b>	300ms with 3Hz filter 140ms with 6Hz filter 80ms with 11Hz filter 40ms with 30Hz filter

## Specifications

<b>Over-Scale Input Capacity (without damage)</b>	Continuous: 0.10A/14V on the 20mA inputs ; 0.05A/14V on the 5V inputs
<b>Isolation</b>	500Vac isolation from logic supply and chassis
<b>5V Power Requirements</b>	22mA, LEDs off 45mA, LEDs on
<b>11 - 30VDC Power Requirements</b>	11mA
<b>11-30VDC - Connector</b>	Removable, 4 positions
<b>11-30VDC - Isolation</b>	Isolation from logic supply and chassis
<b>Terminations</b>	10 pole, removable terminal block, 12 to 22 AWG, 15A contacts
<b>Packaging</b>	Corrosion-resistant zinc-plated steel with black enamel paint
<b>Dimensions</b>	2.9 inch (74 mm) wide, 4.9 inch (124 mm) high, 1.8 inch (45 mm) deep
<b>Mounting</b>	7.5 x 35 DIN rail
<b>Packaging</b>	Corrosion-resistant zinc-plated steel with black enamel paint
<b>Environment</b>	5% RH to 95% RH, non-condensing -40°C to 70°C (-40°F to 158°F) operation -40°C to 85°C (-40°F to 185°F) storage
<b>Safety</b>	Non-Incendive Electrical Equipment for Use in Class I, Division 2 Groups A, B C and D Hazardous Locations ATEX II 3G and IECEx: Ex nA IIC T4 per EN 60079-15, protection type n (Zone 2)
<b>Part Number</b>	297319



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