

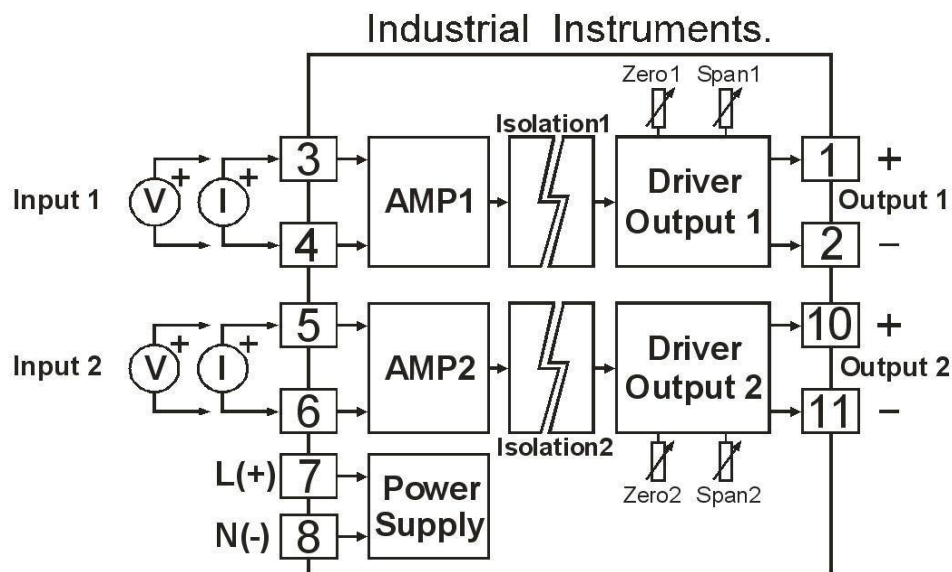
# Signal Converter 2 Channels

## SC99



- Selectable DC. Voltage or DC. current input
- Two isolated channels
- Isolated input, output and power supply
- Plug-in socket structure

**Signal Converter SC99** accepts any standard input signals and converts to two isolated outputs signals. Low input resistance to current signals and high input resistance to voltage signals mean the signal converter can be inserted into existing system with no loss of performance. To minimize noise and other signal errors, the Signal Converter also features complete galvanic isolation of input, output and power supply.



## Specifications

### Analog Input

**Number of Channel:** 2 Channels

**Input Type:** Current, Voltage

**Input Range:**

Current (0 to 20, 4 to 20 mA)

Voltage (0 to 5, 1 to 5, 0 to 10 VDC)

**Input Impedance:**

Current (Max. 20  $\Omega$  Load)

Voltage (Min. 2000  $\Omega$  Load)

### Analog Output

**Number of Channel:** 2 Channels  
(Isolated)

**Output Type:** Current, Voltage

**Output Range:**

Current (0 to 20, 4 to 20 mA)

Voltage (0 to 5V, 1 to 5V, 0 to 10 VDC)

**Linearity:** < 0.2% of Span

**Output Load Resistance:**

Current (Max. 1000  $\Omega$  Load)

Voltage (Min 1000  $\Omega$  Load)

**Isolation Voltage:** 500 VAC Between  
Input, Output and Power Supply

**Ordering Information:** Specify Input 1, Input 2, Output 1, Output 2, Power Supply  
Example SC99/0-10V/0-10 VDC /4-20 mA/4-20 mA/220 VAC

### Package Checklist

1. SC99

### Power Requirements

**Power Supply:** 100, 110, 220 VAC  
(24 VDC Optional)

### Environmental Limits

**Operating Temperature:** 0 to 55 °C

**Operating Humidity:** 5 to 95% RH

**Storage Temperature:** 0 to 70 °C

### Physical Characteristics

**Dimension:** W50 x H70 x D130 mm.

**Mounting:** Wall or DIN rail

**Connection:** Plug-in 11 Pins Socket

### Warranty

**Warranty Period:** 5 Year