

SIGNAL ISOLATOR FOR 4- 20 mA INPUT

MCP5 SI DP

FEATURES

- ◆ Rugged and Accurate
- ◆ Three port Isolation
- ◆ 0.1 % calibrated Accuracy
- ◆ Built-in Trasmmitter Powering
- ◆ Tolerates High Supply Variations
- ◆ Dual Isolated Outputs
- ◆ Din rail / Back Panel Mounting
- ◆ ABS Enclosure



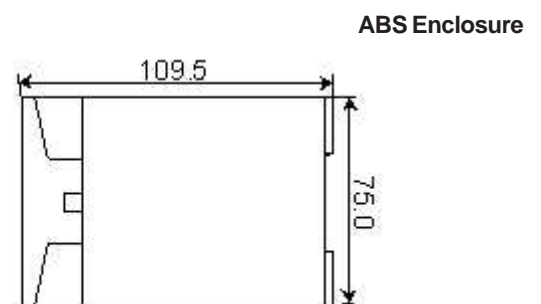
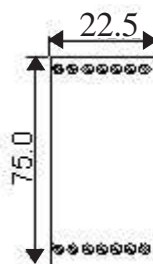
About MCP5 SI

MCP5 SI Signal Isolators are specially designed to suit the needs of chemical, Petro chemical, Fertilizer, Off shore, pulp & paper, thermal & nuclear power generation Industries.

They Protect expensive instrumentation system from dangerously high common mode voltages and eliminate ground loop problems encountered in field signals. The outputs can also be grounded if needed.

MCP5 SI provides three port Isolation by electrically isolating the input, output and supply ports from each other and thus enhances system safety. Dual port version offers two independent mA outputs galvanically isolated from each other, as well as from input and supply ports.

DIMENSIONS : In mm and not to Scale



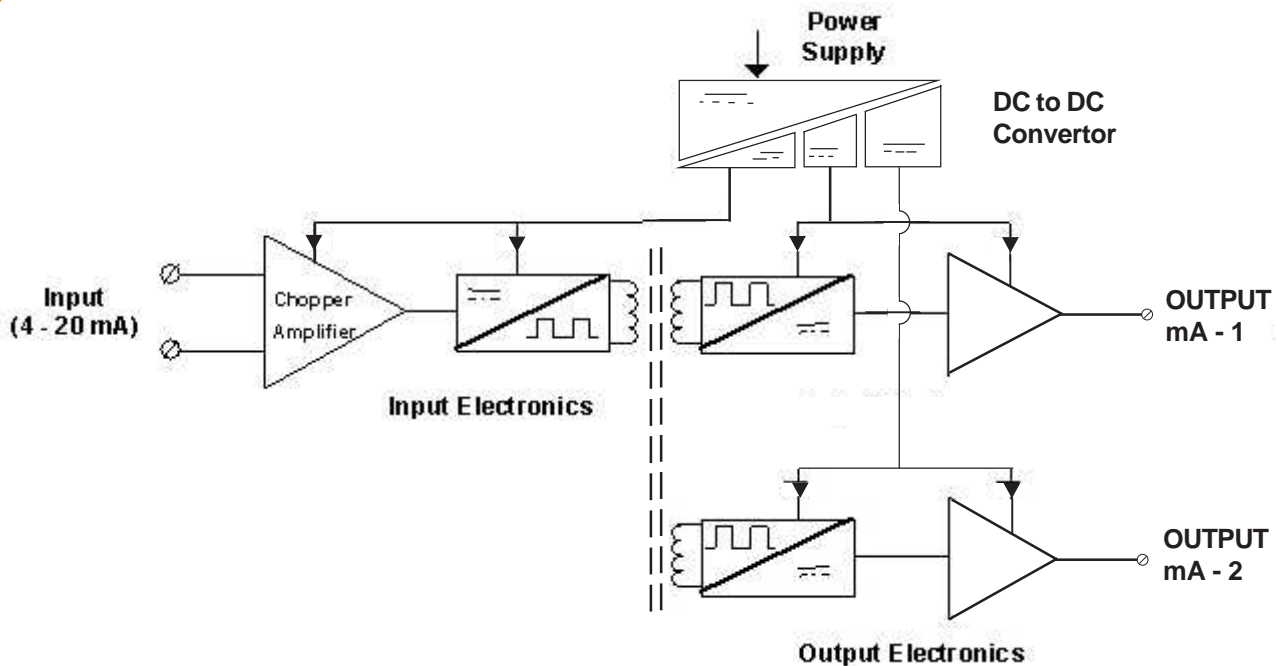
GENERAL SPECIFICATIONS

Supply	: 20-35V DC	Humidity	: 0-90% (Non Condensing).
Power Consumption	: 4W (approx)	Operating Temp.	: 0 to 55 °C.
Mounting	: DIN rail / Back pannel	Storage Temp.	: 0 to 70 °C.
Housing	: ABS Enclosure		

PERFORMANCE SPECIFICATIONS

Input	: 4 - 20 mA DC (Single)	Isolation Voltage	: 1.5 KV DC / AC Peak
Input Resistance	: 250Ω (max).	Isolation Type	: Three Port
Output	: 4 - 20 mA	Output Channels	: Isolated Dual 4 - 20mA
Accuracy	: ± 0.1% of Span	Effect of change in Ambient Temp.	: Span : ± 100 ppm / °C Zero : ± 100 ppm / °C
Load Resistance	: 850Ω max for 4-20mA Outputs		
Transmitter Powering	: 21 to 24 V DC 30 mA (max.)		

FUNCTIONAL SCHEMATIC



ORDERING INFORMATION

MODEL	DESCRIPTION
MCP5 SI DP	Dual Output Signal Isolator For 4 - 20mA Input

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Specifications are subject to change without any notice due to continuous development.