



## PMS-314 12mA SE Adapter Module

### FEATURES

- Built-in power supply and signal galvanic isolation
- Compatible with PMS-314 acquisition module
- Compatible with 12mA current transmission sensors
- Transfer characteristic  $\pm 400\mu\text{A} \rightarrow \pm 7\text{V}$

### Related systems :



### DESCRIPTION

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The PMS-314 12mA to Single Ended adapter module is an extension board making a full compatibility between the PMS-314 acquisition system and any kind of sensor or conditioner using two wires to carry both power supply and vibration signal.

Additionally it performs a galvanic isolation between the PMS-314 acquisition system and the connected sensor for best performance and noise immunity.

The PMS-314 12mA SE module is self-powered by the PMS-314 back connector and therefore does not need any additional wiring. Each module has two independent channels with a common power supply.

## GLOBAL SPECIFICATION

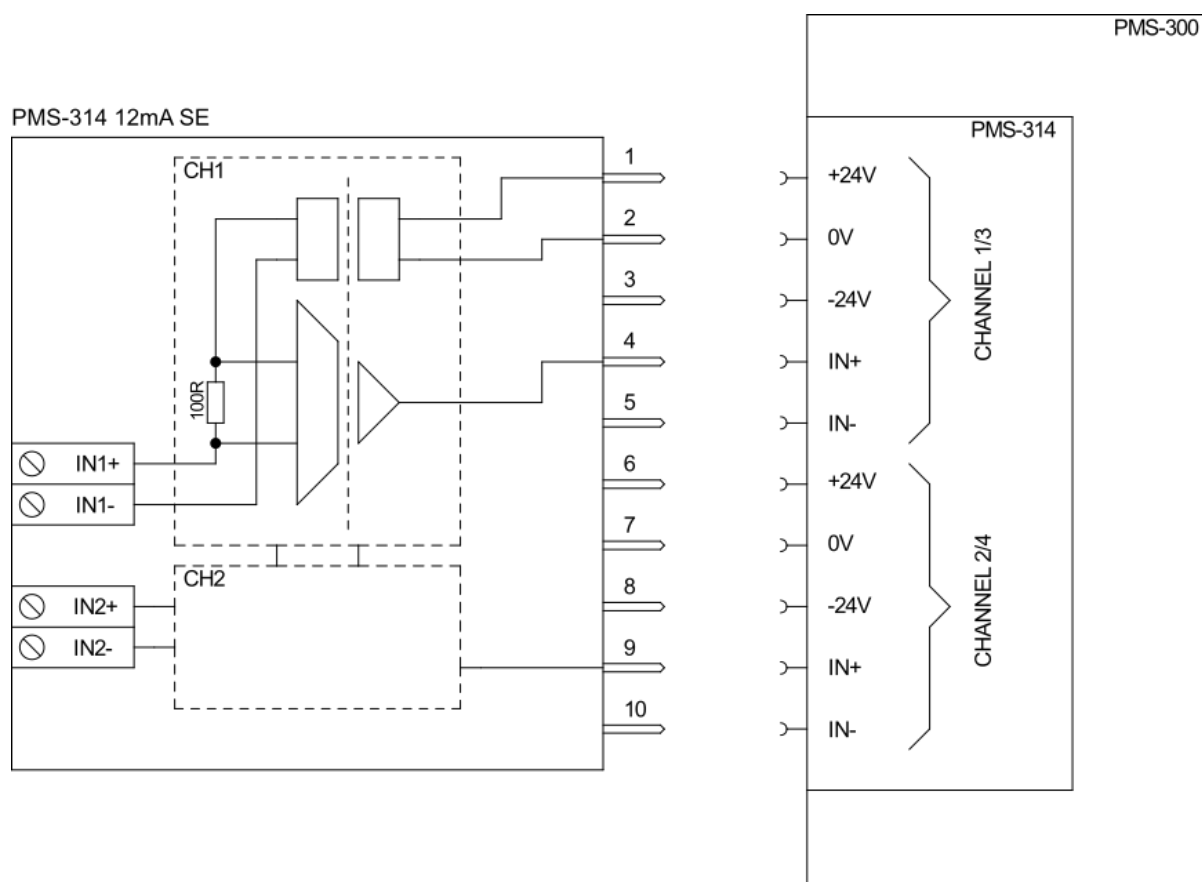
### ELECTRICAL CHARACTERISTICS

Power supply	+24V (supplied by the PMS-314 acquisition module)
Current consumption	Max. 40mA (without sensor/conditioner)
Max. sensor consumption	20mA each
Linear range	$\pm 400\mu\text{A} \rightarrow \pm 7\text{V}$
Sensitivity	17.5 V/mA $\pm 0.5\%$
Output range	$\pm 7\text{V}$
Output bias	+12Vdc $\pm 0.5\text{V}$
Galvanic isolation rating	Max. 500Vdc continuous
Frequency response (-10%)	5Hz to 10kHz

### ENVIRONMENTAL

Temperature range	
Operation	-20°C to 85°C
Storage	-20°C to 85°C

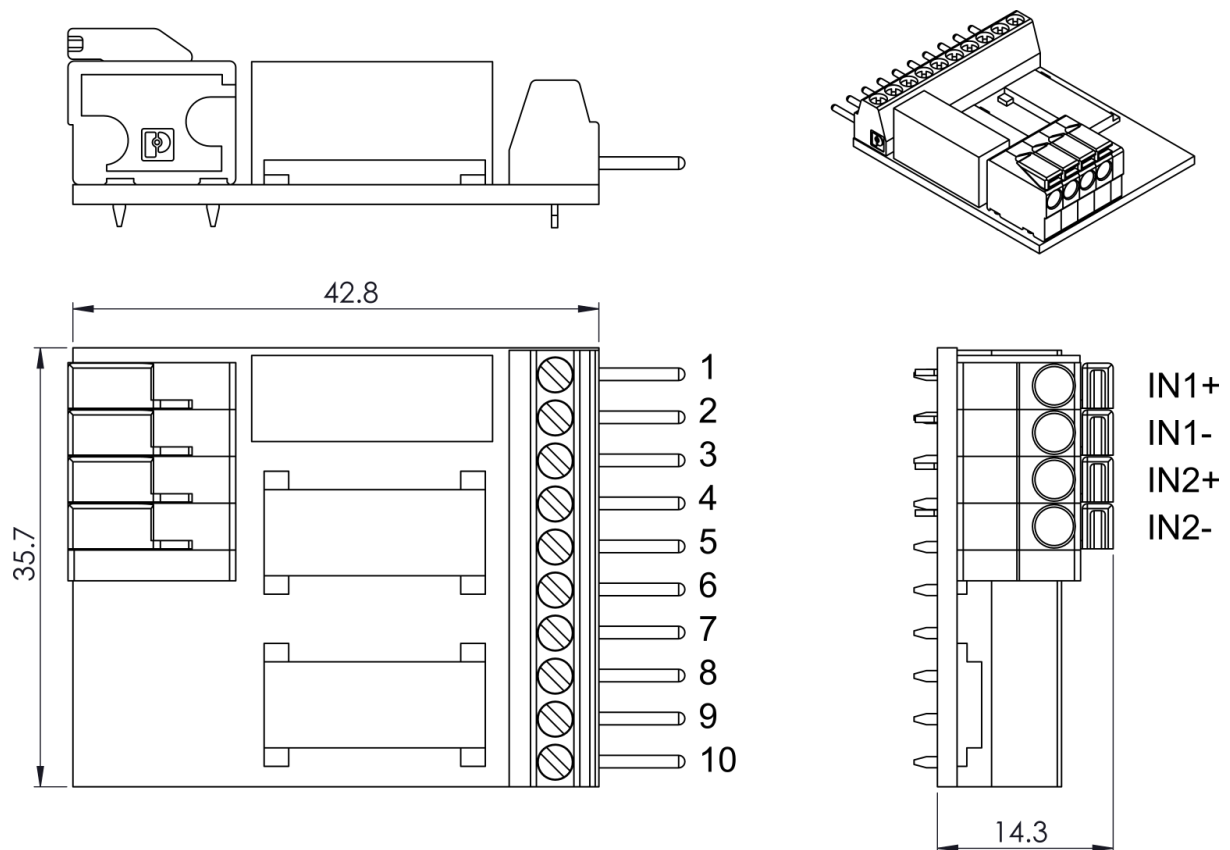
## BLOC DIAGRAMM



## ORDERING INFORMATION

Part type PMS-314 12MA SE  
Ordering code 20.314.990

## MECHANICAL DRAWING



MC-monitoring Quality certifications



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