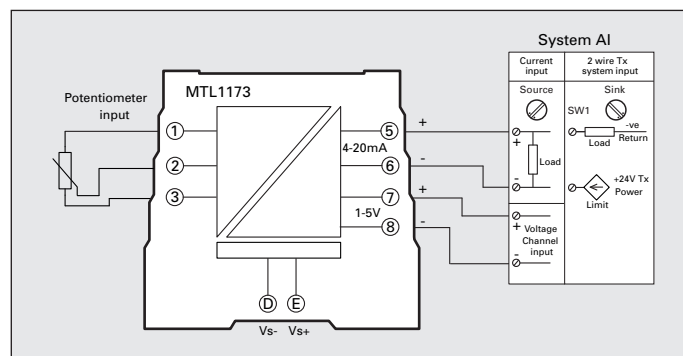


# MTL1173 potentiometer input converter

1 channel for 3 wire  
potentiometers



The **MTL1173** is a single channel potentiometer converter with 4-20mA and 1-5V outputs

Power for this module is supplied via the power bus embedded in the DIN rail.

The PBUS6.2 kit must be ordered separately. 10 x 2 way power clips are provided to power 20 modules.

The **MTL1991** or PBUS02 is used to feed power onto the bus.

Terminals	Function
1	Potentiometer end
2	Potentiometer wiper
3	Potentiometer end
5	Current Output + / Current Sink -
6	Current Output - / Current sink+
7	Voltage Output +
8	Voltage Output -
D	Power supply -ve
E	Power supply +ve

SPECIFICATION	see also common specification
Number of channels	One, with fully floating outputs
Location of sensor	Safe area
Input potentiometer resistance	100Ω to 100kΩ
Output range	Current output 4-20mA or voltage output 1-5V
Transfer accuracy	>1KΩ 0.2% max < 1KΩ 2% max
Temperature effect	0.01% / °C
Current consumption	37mA @ 24V current output. 13mA @ 24V voltage output
Power dissipation	0.9W @ 24V
Isolation	50V ac or dc between power, field and system circuits (tested to 840Vac)