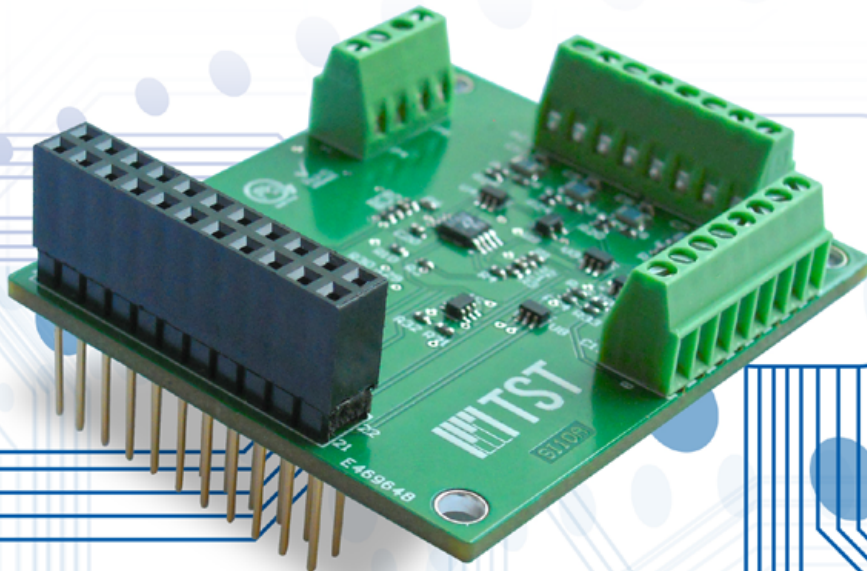


INTERFACE BOARD FOR INDUSTRIAL ANALOG SENSORS



The MSA interface module for industrial sensors allows connecting analog devices with a standard 4-20 mA and/or 0-10 V output directly to the TSmart platform. Up to 8 different sensors, four of each kind, can be simultaneously connected to the MSA interface module. Additionally the MSA board includes 2 digital inputs/outputs. Thanks to its low power consumption, just 400 μ A when all 8 sensors are connected, the MSA module can be battery operated.

Software libraries provided by TST offer a simple way to use and program the MSA module.

KEY FEATURES

Interface card for 4-20 mA and 0-10 V analog sensors

Digital inputs/outputs available

Ultra low-power

Simple use with TST driver

ELECTRICAL	
Input voltage	2.7-5.5 VDC
Voltaje interno	3.3 VDC
Internal voltage	400uA max.

MECHANICAL	
Dimensions	52 x 43 mm
Connectors	22 male pins for TSmoTe/TSgaTe connections
	2 terminal blocks with 8 way (pitch 2.54 mm) for analog inputs
	1 terminal block with 4 way for digital I/Os

I/O	
Analog 4-20 mA inputs	4
Analog 0-10 V inputs	4
Digital inputs/outputs	2

SOFTWARE INTERFACE	
Communication	TST software library

ENVIRONMENTAL	
Operation temperature	-40°C / +85°C
Storage temperature	-65°C / +150°C
Relative humidity	5-95% RH
Certifications	CE, RoHS