



## TCP A3

**FLXMOD<sup>®</sup>**

### Thermocouples acquisition module

#### Description

FLXMOD™ system analog module, with three inputs for thermocouples having a resolution of 12 bit and internal cold-junction compensation. This unit, designed for mounting on a standard DIN rail and housed in a compact plastic case, has an insulated front-end circuitry for best accuracy. Proprietary FLXIO™ bus ensure reliable real-time communication with the CPU.



#### **Smittec S.p.A.**

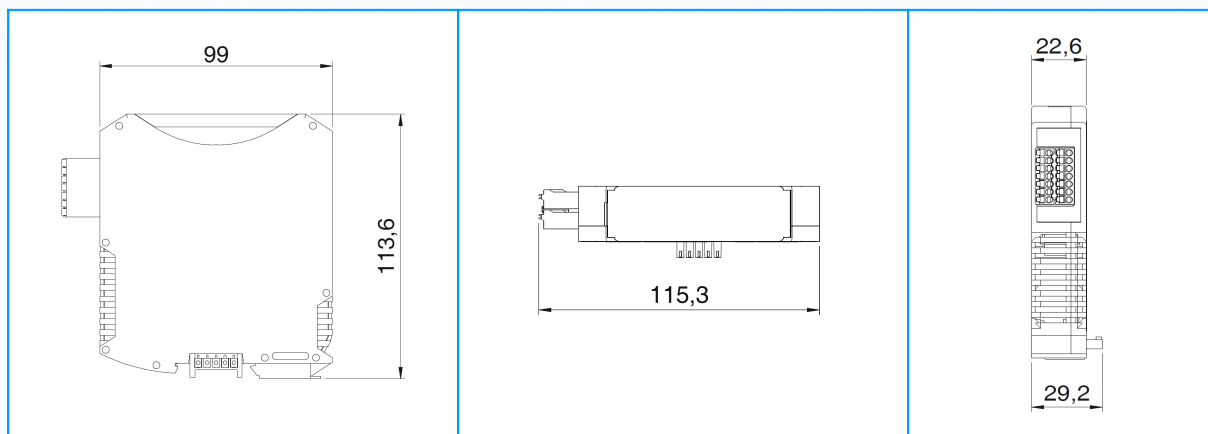
Viale Vittorio Veneto, 4 - 24016 San Pellegrino Terme (BG) ITALY  
Tel. +39 0345 40.800 - Fax: +39 0345 40.809 - [www.smittec.it](http://www.smittec.it)

#### **Head office:**

Via Carlo Ceresa, 10 - 24015 San Giovanni Bianco (BG) ITALY  
C.F. e P. IVA IT03790400166

Technical data	
Housing material	Polypropylene
Degree of protection	IP20
Number of analog inputs	3
Analog inputs characteristics	For thermocouples
Analog inputs range	-2.582 ÷ +28.405mV (-53.24° ÷ +518.04°C, J-type thermocouple) (-69.85° ÷ +682.74°C, K-type thermocouple)
Analog inputs resolution	12 bit
Cold-junction compensation	Internal (-50.3° ÷ +99.7°C) or external (with optional LM335 sensor)
Interface	Proprietary FLXIO™
Bus address setting	By rotary switch
Electrical specifications	Logic supply: 24V <sub>DC</sub> and 5V <sub>DC</sub> from backplane
Environmental specifications	Operating temperature: from +5°C to +55°C Storage temperature: from -25°C to +85°C Relative humidity: from 10% to 95% (non condensing)

## Dimensions



Data here mentioned are subject to changes without any notice.