

59.00 EUR
incl. 19% VAT, plus shipping

- Norvi X Series !
- ADC !
- 15-bit RTD-to-Digital converter !
- Extension !

Support: Specifications

- High-Precision ADC Integrated 15-bit RTD-to-Digital converter
- 4-Channel Input Sequential monitoring
- Flexible Wiring
- Automatic Fault Detection
- 4-Way DIP Switch and RTD type selection DIP
- Status LED indicators for each input channel
- Plug-and-play connection to NORVI X CPU module via expansion bus
- DIN-rail Mounting

The NORVI X-RTD4 is a high-precision 4-channel RTD expansion module for the NORVI X modular controller platform. It utilizes the 15-bit ADC to provide laboratory-grade temperature digitization for Platinum RTDs.

The module features an integrated analog multiplexer and an onboard STM32 MCU, allowing for sequential monitoring of four independent sensors while offloading processing from the main controller.

Range of product	NORVI X
Product type / Model	Expansion Module f. NORVI X Series NORVI X-RTD4

Certifications	EN 61131-2:2007 EN 61010-1:2010+A1:2019 EN IEC 61010-2-201:2018 2014/30/EU- Electromagnetic Compatibility (EMC) Annex III, Part B, Module C
Dimmensions	81 x 104 x 23 mm
Mounting	DIN RAIL
Terminal Type	Push-in terminal
Envirement	**IP20** Operating altitude: 0-2000 meters Operating Temperature: -10 ... - +85°C Shock resistance: 15 gn for 11ms Resistance to electrostatic discharge: 4kV on contact / 8kV on air
Supply Voltage (V)	24V / 80mA
I/O Specification	
Input Channels	4 Independent RTD Channels
Resolution	15-bit
Debug Interface	Micro-USB (For Debugging)
Communication	SPI / I2C via Expansion Bus
Microcontroller	STM32 Series (Internal Bridge)
Power Supply	24V DC (via Expansion Bus)
Internal Interface	High-Speed SPI (MCU to ADC Output Stage)