

2680C

Multi-channel multifunction measuring unit

Key Features

- 16-bit 100 kHz converter
- 4 to 16 measuring channels
- Amplifier conditioner for strain gauge , thermocouple, piezo-resistive... sensors
- Mathematic operator, Threshold detector, frequency/voltage converter...
- USB interface
- 19", 3U Compact packaging



Applications

- Adaptation off all types of analog signals from sensors to make them compatible with acquisition system or PLC
- Measuring of electrical and physical signals: force, torque, displacement, acceleration, pressure

Description

The 2680C measuring unit is able to condition 4 to 16 sensors, with totally different sensor on each channel.

The 2680 control unit allows to set up acquisition channels configurations as gain, zero, offset...by sending digital commands handled through the control panel or be set up with USB connection through a remote PC to acquire direct data and exploit the into Microsoft Excel for instance (.csv files).

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Specifications

PARAMETER	VALUE
Measuring unit ½ 19" 3U	1 to 4 measuring channels
Measuring unit ½ 19" 3U	1 to 8 measuring channels
Measuring unit 19" 3U	Rack mounting: 1 to 19 measuring channels
Display	Backlight LCd screen, 2 line of 16 characters
Physical unit display	The reading is done in units of physical measurements
Configuration	4 langage drop down menu
Modularity	Adjustable at will, plug-in cards at the front
Compatibility	All ME26XX amplifier conditioner converters
Setting up	Digital setting up for displayed physical measuring
Data treatment	Analog treatment from sensors to analog output
Output	Analog +/- 10 V per channel
USB link	With dedicated free software to set up unit remotely and to acquire data without any acquisition card
Channel configuration	2680C keyboard and PC
Data acquisition	
Acquisition Frequency	10 kHz (divided by the number of confirmed channels)
Converters	16 bits 100 kHz
Data storage	Real time storage of data into .csv files for non real time treatment into a spreadsheet
Printing	Direct printing from RS232C port with time stamped data
Supply	Safety supply with 2680C bus monitoring
Output	Defaut alarming from relay in positive safety
Input supply	84V to 264 VAC 47/63 Hz in schaffner housing
Input / Output	Wago / Wago or Amphenol / BNC connectors

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Variations

ME26C AJ card	Amplifier conditioner for strain gauge sensor (Force, Torque, Pressure)
ME 26C LVDT card	Amplifier conditioner for LVDT A/B or AB/A+B sensors (displacement)
ME 26C TC card	Amplifier conditioner for thermocouple J, K, T... (temperature)
ME 26C U card	Waveform attenuator (AC voltage, DC, CMR)
ME 26C 50M/DIFF card	Mathematic operator: N channel summing/subtractor amplifier
ME 26C AS card	Amplifier conditioner for piezoresistive sensors (semiconductor gauges) (force, pressure, acceleration)
ME 26C DP card	Amplifier conditioner for potentiometric sensors (displacement)
ME 26C PT 100 ou PT 1000 card	Amplifier conditioner for PT100 or PT1000 thermic sensors (temperature)
ME 26C I/U card	Converter current/voltage (U AC, DC, RMS)
ME 26C DERIV or 26 INT card	Mathematic operator: Differentiator or integrator of electronic waveform
ME 26C ICP card	Amplifier conditioner for piezoelectric sensors (force, pressure, acceleration)
ME 26C ACE card	Amplifier conditioner for strain gauge sensors (acceleration, pressure)
ME 26C F/U OR U/F card	Converter frequency/ voltage/ flow/ rotation speed/ transmission / optical fiber
ME 26C EXTENSO	Extensometer amplifier
ME 26C 4x5V2	4 X double threshold detector
ME 26C CO card	Conditioner for incremental encoder analog output (linear displacement, angular displacement)
ME 26C FILTRE	Active filter