

MODBUS CHANNEL EXPANDER

MB8VI

General purpose, analog input, MODBUS expansion module.

FEATURES

- 8 Voltage or Current inputs (user selectable).
- Provides instantaneous values and calculated statistics.
- User interface with LC Display and button. Displays measurements and allows setting changes.
- DIN-rail mounting.
- Compatible with the Stylitis family of data loggers.
- Made in E.U. under ISO9001:2015.

COMMUNICATION

- MODBUS RTU, 9600 Baud (RS-485).

SENSOR EXCITATION OUTPUT

4.096V \pm 0.3%.

Current: 10mA.

APPLICATIONS

- Resources assessment.
- Agriculture.
- Process measurements.



SPECIFICATIONS

Analog inputs

8, single-ended, 16 bit resolution.

Input voltage range unipolar: 0 ~

1.25, 2.5, 5, 10V.

Input voltage range bipolar: 0 ~

\pm 0.64, 1.25, 2.5, 5, 10V.

Input impedance: > 1 Mohm

Input current range: 0-20/4-20 mA.

Accuracy: \pm 0.07% of Full Scale.

Counter Inputs

2 analog inputs may be used as counter/event inputs.

Input threshold: +200mV

Maximum frequency: 3kHz

Data format

- Instantaneous values.
- Statistical values: Min, Max, Average, SDV for the interval between the previous and current queries.
- Up to 4 inputs may be configured as type 'Wind Vane' with true Vector statistics.

Dimensions

Width: 106.25 mm

Height: 90.20 mm

Depth: 57.50 mm

General

Power consumption: <20 mA

Power supply: 6~24 VDC

Operating temperature: -30 ~ +70 °C

Environmental protection: IP20

Certification: CE

Warranty: 2 years.

Material: UL94V-0 rated ABS



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