

## BR16

### Analog input module

#### Overview

- Analog input module for Atlas devices
- Resistance measurement (0 to 2000 Ω)
- Software programmable input range and filter individually per channel
- Operation self-diagnostics
- LED indication of wire break and module operation/malfunction

#### Function description and application

Analog input module BR16 accepts analog signals from resistive transducers for internal processing control of Atlas Max<sup>®</sup>, Atlas XP2 and Atlas MTU controllers.

#### Design

BR16 Module is designed as dual PCB Eurocard (233.4x162.5mm), with front mask dimensions 262x30mm for mounting in standard 19" racks.

#### Interface

Number of inputs	16
Interface type	2, 3 and 4-wire

#### Technical specifications

##### Measuring range of input signals

• Pt100	-100 to 309,5 C 0 to 850 C
• Pt200	-100 to 309,5 C
• Pt500	-100 to 309,5 C
• Pt1000	-100 to 100 C
• Cu10	-50 to 150 C
• Cu100	-50 to 150 C
• Cu53	-50 to 150 C
• Ni100, Ni120, Ni250	-50 to 150 C

##### A/D converter (per channel):

• resolution	24 bits
• accuracy	+/- 0.05%, +/-0,1 C Pt100 4w, +/- 1 C for Cu10
• conversion time	20ms

<b>Max input sampling rate</b>	5 Hz
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<b>Galvanic isolation</b>	per channel
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<b>Power supply</b>	internal +5VDC, 0.7A external +12VDC, 0.6A
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