

UR20-15AI-U-16-DIAG

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com



Inputs can be parameterised; up to 3-wire + FE; accuracy 0.1% FSR

Analogue input modules of the u-remote system are available in many variants with different resolutions and wiring solutions.

Variants are available with 12- and 16-bit resolution, which record up to 4 analogue sensors with +/-10 V, +/-5 V, 0...10 V, 0...5 V, 2...10 V, 1...5 V, 0...20 mA or 4...20 mA with maximum accuracy. Each plug-in connector can optionally connect sensors with 2- or 3-wire technology. The parameters for the measurement range can be individually set for each channel. In addition, each channel has its own status LED.

A special variant for Weidmüller interface units enables current measurements with 16-bit resolution and maximum accuracy for 8 sensors at a time (0...20 mA or 4...20 mA).

The module electronics supply the connected sensors with power from the input current path (UIN).

General ordering data

| | |
|------------|-------------------------------------|
| Order No. | 3039320000 |
| Type | UR20-15AI-U-16-DIAG |
| GTIN (EAN) | 4099987008020 |
| Qty. | 1 items |

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Technical data

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 76 mm | Depth (inches) | 2.9921 inch |
| Height | 120 mm | Height (inches) | 4.7244 inch |
| Width | 11.5 mm | Width (inches) | 0.4528 inch |
| Net weight | 88 g | | |

analogue inputs

| | | | |
|-----------------------------|---|------------------------------|---|
| Reverse polarity protection | No | Input resistance | ≥ 200 kΩ |
| Resolution | 16 Bit | Sensor supply | No |
| Module diagnosis | Yes | Individual channel diagnosis | Yes |
| Measurement range | ±3 V / ±5 V / ±10 V / ±30 V / 0...3 V / 0...5 V / 0...10 V / 0...30 V | Sensor connection | 1-wire Connection, for daisy chained battery cell stack; configurable |
| Number analogue inputs | 15 | | |

Connection data

| | |
|--------------------|---------|
| Type of connection | PUSH IN |
|--------------------|---------|

General data

| | |
|---------------|-------|
| Mounting rail | TS 35 |
|---------------|-------|

Power supply

| | | | |
|-----------------------------|----|----------------|---------|
| Reverse polarity protection | No | Supply voltage | 24 V DC |
|-----------------------------|----|----------------|---------|

System data

| | | | |
|-----------------|-----------------------|--|--|
| Module type | Analogue input module | Galvanic isolation | field to system bus: 800V permanently (PD:2; OV:2; RI) |
| Connection type | PUSH IN | Transmission speed of system bus, max. | 48 Mbit |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC001596 | ETIM 9.0 | EC001596 |
| ETIM 10.0 | EC001596 | ECLASS 14.0 | 27-24-26-01 |
| ECLASS 15.0 | 27-24-26-01 | | |

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Drawings

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Explanation of abbreviations

Analogue input modules

