

# Product data sheet

Specifications



## analogue input cartridge, Modicon M221, 2 analog inputs, IO extension

TMC2AI2

Product availability : Stock - Normally stocked in distribution facility

Price\* : 89.00 USD

### Main

Range of Product	Modicon M221
Product or Component Type	Analogue input cartridge
Product Compatibility	Modicon M221C
Analogue input number	2

### Complementary

Analogue input type	current 4...20 mA current 0...20 mA voltage 0...10 V
Analogue input resolution	12 bits
LSB value	2.44 mV 0...10 V voltage 4.88 µA 0...20 mA current 3.91 µA 4...20 mA current
Conversion time	20 ms
Sampling duration	10 ms
Absolute accuracy error	+/- 0.1 % of full scale at 77 °F (25 °C) +/- 1 % of full scale
Temperature Drift	+/- 0.02 %FS/°C
Repeat accuracy	+/- 0.5 %FS
Non-linearity	+/- 0.01 %FS
Cross talk	<= 1 LSB
Type of Cable	Twisted shielded pairs cable
Electrical connection	3 x 1.5 mm² 2 screw terminal blocks pitch 3.81 mm for inputs
Maximum cable distance between devices	Twisted shielded pairs cable <98.43 ft (30 m) input
Insulation	Non-insulated between analogue input and internal logic
Height	1.61 in (41 mm)
Depth	0.59 in (15 mm)
Width	1.38 in (35 mm)
Product Weight	0.03 lb(US) (0.015 kg)
Permissible continuous overload	13 V voltage 40 mA current

\* Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Input impedance	<= 250 Ohm current >= 1 MOhm voltage
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## Environment

Immunity to microbreaks	10 ms
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## Ordering and shipping details

Category	22533-M2XX PLC & ACCESSORIES
Discount Schedule	MSX
GTIN	3606480649080
Returnability	Yes
Country of origin	JP

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.41 in (3.594 cm)
Package 1 Width	1.85 in (4.692 cm)
Package 1 Length	2.78 in (7.059 cm)
Package 1 Weight	1.06 oz (30.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	75
Package 2 Height	5.91 in (15 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	7.30 lb(US) (3.31 kg)
Unit Type of Package 3	P12
Number of Units in Package 3	2400
Package 3 Height	29.53 in (75 cm)
Package 3 Width	47.24 in (120 cm)
Package 3 Length	31.50 in (80 cm)
Package 3 Weight	244.71 lb(US) (111 kg)

## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

PVC free

Yes

Recommended replacement(s)