# **Product data sheet**

Specifications





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

TMC2AI2

Product availability: Stock - Normally stocked in distribution

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 420 mA current 020 mA voltage 010 V
Analogue Input Resolution	12 bits
Lsb Value	2.44 mV 010 V voltage 4.88 μA 020 mA current 3.91 μA 420 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)
Net Weight	0.03 lb(US) (0.015 kg)
Permissible Continuous Overload	13 V voltage 40 mA current
Input Impedance	<= 250 Ohm current >= 1 MOhm voltage

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

## **Environment**

Immunity To Microbreaks

10 ms

# Ordering and shipping details

Category	US10MSX22533
Discount Schedule	0MSX
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	e 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	Of Package 3 P12	
Number Of Units In Package 3	its 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)	



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Transparency RoHS/REACh

### Well-being performance

<b>Ø</b>	Toxic Heavy Metal Free	
<b>Ø</b>	Mercury Free	
<b>Ø</b>	Rohs Exemption Information	Yes
<b>⊘</b>	Pvc Free	

#### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
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 www.P65Warnings.ca.gov