TM3AI2H

Schneider Electric · Modicon TM3

Analog Input Module, 2 channels, high resolution 16-bit

Module type
Analog input (high resolution, voltage/current configurable)

Channels
2

Signal type
±10 Vdc, 0-10 Vdc, 0-20 mA, 4-20 mA (software configurable per channel)

Range
±10 V / 0-10 V / 0-20 mA / 4-20 mA

Resolution
16 bits (15 bits + sign)

Accuracy
±0.1% of full scale at 25 °C (±1% FS over temperature)

Isolation
500 V AC between analog input and internal logic; 1500 V AC between input and supply

Diagnostics
Channel status, module status, bus status

Response time
Conversion: 1 ms + 1 ms per channel + 1 controller cycle time; sampling 1 ms per channel

www.AutoDCSTech.com

Wiring
Removable screw terminal block, 3.81 mm pitch

Supply voltage
24 Vdc (via TM3 bus)

Power consumption
Not available

Bus current
40 mA at 5 V DC (full load); 25 mA at 24 V DC (full load)

Operating temperature
0...+55 °C

Storage temperature
-25...+70 °C

Protection rating
IP20

Dimensions (H×W×D)
90 × 23.6 × 70 mm

Weight
0.115 kg

Compatible platforms
Modicon M221, M241, M251, M262

Lifecycle
Active (Last verified: 2026-09)