

TM5SAI4L

Schneider Electric · Modicon TM5

Analog Input Module, 4 channels, $\pm 10\text{V}/0\text{-}20\text{mA}/4\text{-}20\text{mA}$, 12-bit

Module type

Analog input (voltage/current configurable per channel)

Channels

4

Signal type

$\pm 10\text{ Vdc}$, 0-20 mA, 4-20 mA (software configurable per channel)

Range

$\pm 10\text{ V}$ / 0-20 mA / 4-20 mA

Resolution

12 bits (signed, $\pm 10\text{V}$: -32768 to +32767)

Accuracy

$\pm 0.3\%$ of full scale at 25 °C ($\pm 0.5\%$ FS over temperature)

Isolation

No isolation between channels; 500 Vrms AC between channels and bus

Diagnostics

Channel status (below lower limit, above upper limit, wire break for 4-20mA), ModuleOK, DcOk, NetworkOk

Response time

Configurable input cycle (filter off/level 2-128), channel offset 200 μs ; sampling 1 ms or 300 μs per channel

Supply voltage

24 Vdc (via TM5 bus / power distribution module)

Power consumption

1.2 W

Bus current

3 mA at 5 V DC (TM5 bus); 10 mA at 24 V DC

Operating temperature

0...+55 °C

Storage temperature

-25...+70 °C

Protection rating

IP20

Dimensions (H×W×D)

99 × 12.5 × 75 mm

Weight

0.025 kg

Compatible platforms

Modicon M241, M251, M258, LMC058

Lifecycle

Active (Last verified: 2026-09)

www.oilautotech.com