

TRION-DI-48

Isolated digital input module

- **Number of channels:** 48 isolated digital inputs (TRION-DI-48)
- **Sampling:** 204.8 kS/s per channel



TRION-DI-48 specifications	
Input channels	48 isolated digital inputs (TRION-DI-48)
Input modes	digital input (discrete)
Sampling rate	2 MS/s
Input signal characteristic	
Compatibility	CMOS
Configuration	Isolated input
Input low level	$U_{IN} < 1.8 \text{ V}$
Input high level	$U_{IN} > 3.2 \text{ V}$
Input high current @ 5 V U_{IN}	< 3.5 mA
Input high current @ 30 V U_{IN}	< 7 mA
Propagation delay	< 160 nsec
Bandwidth	3 MHz
Overvoltage protection	35 V continuous (65 V peak)
Isolation voltage (channel to channel)	100 V
Isolation voltage (input to output)	250 V
Sensor power supply (per module)	5 V (600 mA), not isolated
Input connector	2 x 50 pin mini centronics sockets (Harting 60 11 050 5740)
Typical power consumption	5 W
Weight	Appr. 190 g

Options for TRION-DI modules

Options	Connector	Termination	Length	TRION modules
TRION-CB24-B	Mini-Centronics	24 channel break-out box with 4 mm banana jacks 1 m cable, terminated with 50-pin mini-centronics plug (two boxes needed for all 48 inputs)	1 m	TRION-DI-48
TRION-CB24-SC	Centronics	24 channel screw-terminal block, unshielded 1 m cable, terminated with 50-pin mini-centronics plug For TRION-DI-48 (two blocks needed for all 48 inputs)	1 m	TRION-DI-48



TRION-CB24-B



TRION-CB24-SC