

TY-DI-48

- ▶ Isolated digital input module
- ▶ 48 isolated digital inputs (TY-DI-48)
- ▶ 3 MS/s sampling rate



Module specifications

TY-DI-48 specifaions	
Input channels	48 isolated digital inputs (TY-DI-48)
Input modes	Digital input (discrete)
Sampling rate	3 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}	$< 3.5\text{ mA}$
– Input high current @ 30 V U_{IN}	$< 7\text{ mA}$
– Propagation delay	$< 160\text{ ns}$
– Bandwidth	3 MHz
– Overvoltage protection	35 V_{DC} (65 V_{PEAK})
– Isolation voltage (channel-to-channel)	100 V_{PEAK}
– Isolation voltage (input-to-chassis)	250 V_{PEAK}
Input connector	2 x 50 pin mini centronics
Sensor power supply (per module)	5 V (600 mA), not isolated
Typical power consumption	5 W
Weight	Approx. 190 g