

PAD-TH8-P**8 channel thermocouple and RTD module**

- **Input channels:** 8 differential input channels
 Thermocouple: requires PAD-CB8-x breakout box
 RTD: requires PDA-CB8-RTD breakout box
- **Bandwidth:** 6 Hz (Revision 6.00 or higher)
- **Isolation:** 350 V_{DC}
- **Signal connection:** 25-pin SUB-D connector

**Module specifications (for revision 6.00 or higher)**

PAD-TH8-P	
Input channels:	8 differential input channels
Input voltage:	±1.5 V
Input resistance:	1.4 MΩ
Gain linearity:	0.001%
Bandwidth:	6 Hz
Resolution:	1 μV (24-bit)
Temperature drift:	30 ppm/°K
Typical noise:	2 μV
DC accuracy:	Better ±0.05 % ±200 μV (typ. ±0.03 % F.S. ±20 μV)
Sampling rate:	Max. 12 Hz per channel
Readout speed:	Typ. 80 ch/sec.*
Isolation voltage:	350 V _{DC} (channel to channel and input to output)
Overvoltage protection:	15 V _{DC}
Channel to channel voltage:	100 V _{DC}
NMR (50/60 Hz):	120 dB
CMRR (50/60 Hz):	130 dB
RS-485 interface:	Yes
Interface speed:	9600 bps (2400 to 115200)
Power supply voltage:	±9 V _{DC} (±10 %)
Power consumption:	Typical 0.6 W

^{*)} Depending on system and number of channels