

PAD-V8-P**8 channel voltage module**

- **Input channels:** 8 differential input channels
- **A/D conversion:** 8 internal 24 bit A/D converters
- **Bandwidth:** 6 Hz
- **Isolation:** 350 V_{DC}
- **Signal connection:** 25-pin SUB-D socket

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

PAD-V8-P	
Input channels	8 differential input channels
Input signals	
Voltage	±100 mV, ±150 mV, ±500 mV, ±1 V, ±2.5 V, ±5 V, ±10 V, ±50 V, -0.15 to +1.5 V
Current	With external shunt resistor
Resolution	10 µV for all ranges
Sampling rate	Max. 12 Hz per channel
Readout speed	Typ. 80 ch/sec.*
DC accuracy	±0.03 % of reading ±900 µV
Max. gain drift	20 ppm /°C
Max. offset drift	20 ppm of range /°C
Bandwidth (-3 dB)	6 Hz (±1.5 dB @ f0)
Isolation voltage	350 V _{DC} (channel to channel and input to output)
Overvoltage protection	150 V _{DC}
Common mode voltage	350 V _{DC} / 250 V _{AC} @ 50 Hz
NMR	120 dB @ 50/60 Hz
CMRR	140 dB @ DC, 120 dB @ 50 Hz
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	