DAQP-V — *Isolated low voltage module*

- *Input ranges:* *±10, ±100 mV, ±1, ±5, ±10, ±50 V*
- *Bandwidth:* *50 kHz*
- *Isolation:* *350 V_{DC} (1 kV_{RMS} with banana socket)*
- *Signal connection:* *Safety banana sockets*
  BNC socket
  9-pin SUB-D socket
  8-pin LEMO socket

DAQP-V-B DAQP-V-BNC DAQP-V-D DAQP-V-LEMO

Module specifications

	DAQP-V
Input ranges	±0.01, ±0.1, ±1, ±5, ±10, ±50 V
Range selection	Push button or software
DC accuracy 10 mV range 100 mV range 1 V to 50 V ranges	 0.05 % of reading ±40 µV 0.05 % of reading ±100 µV 0.05 % of reading ±0.05 % of range
Gain linearity	Better than ±0.03 %
Gain drift	Typ. 20 ppm/°K, max. 40 ppm/°K
Input resistance	1 MOhm (±0.1 %)
Bandwidth (-3 dB)	50 kHz (±1.5 dB @ f0)
Filters (lowpass)	10 Hz, 100 Hz, 1 kHz, 10 kHz (±1.5 dB @ f0)
Filter selection	Push button or software
Filter characteristics @ 0.01, 0.1, 1, 10 kHz @ 50 kHz	Butterworth 40 dB / decade (12 dB / octave) 100 dB / decade (30 dB / octave)
Typ. SNR @ max. bandwidth 10 mV range 10 V range 50 V range	 61 dB 78 dB 78 dB
Typical CMRR	90 dB @ 0 Hz 78 dB @ 50 Hz 60 dB @ 400 Hz
Isolation voltage	350 V_{DC} (1 kV_{RMS} with banana connector)
Overvoltage protection	±500 V_{DC} or 300 V_{RMS}
Output voltage	±5 V
Output resistance	< 10 Ohm
Output current	Max. 5 mA
Output protection	Continuous short to ground
RS-485 interface	Yes
Power supply voltage	±9 V (±10 %)
Power consumption	typical 0.85 W