

P8048

High channel-count 24-bit Data Acquisition System



The P8048 is the high channel count version of the Prosig P8000 24-bit data acquisition system. The unit is available in portable or rack-mount form and a single system can support 96 high speed analogue inputs.

Units can be stacked to expand the system up to 1024 channels. Various input options are available. These include high speed analog (for microphones & accelerometers), thermocouple, strain gauge, precision tachometer measurement, digital I/O, CAN-bus, GPS and analog output. Each option is complete with programmable signal conditioning, which is controlled by the DATS software.

P8048

Specification



Find out more about the P8048 at
prosig.com/p8000/p8048.html

System

Analog inputs	up to 1024 channels
Expansion	Flexible packaging options
Split rate sampling	Multiple sampling rates can run concurrently on separate cards
Programmability	All features under software control
Communications	USB 2.0

Environmental

Shock and vibration	Suitable for mobile use (5g rms)
Operating temperature	0°C to +40°C (32°F to +104°F)
Humidity	80% RH, non-condensing
Weight	Dependent on configuration, channel count & chassis

General

Supply voltage	Choice of 10–36V DC (e.g. vehicle battery) or AC mains (adapter supplied)
Dimensions† (H x W x D)	185mm x 450mm x 400mm 7.3" x 17.7" x 15.7"

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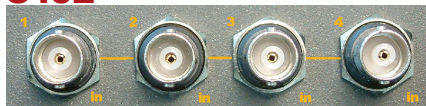


youtube.com/user/TheProsig



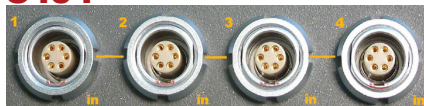
The P8048 can be fitted with up to 12 of the following cards

8402



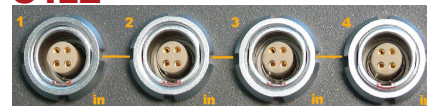
4 channel ADC + Tacho (IEPE & Direct)

8404



4 channel ADC + Tacho (IEPE, Direct & Bridge)

8412



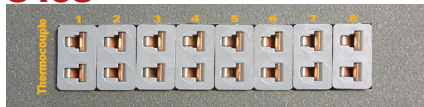
8 channel ADC + Tacho (IEPE & Direct)

8414



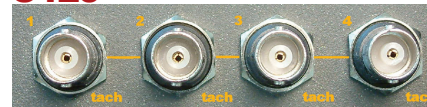
8 channel ADC + Tacho (Direct & Bridge)

8408



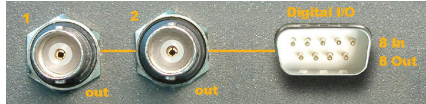
8 channel Thermocouple

8420



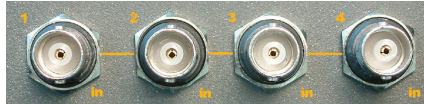
4 channel Advanced Tacho

8424



2 channel/4 channel DAC & Digital I/O

8405



4 channel ADC + Tacho (Charge)

8440



CAN Input & GPS

Contact Prosig

Prosig Ltd (UK)

Email: sales@prosig.com

Phone: +44 (0)1329 239925

Prosig USA Inc

Email: prosigusa@prosig.com

Phone: +1 248 443 2470