

The Chell I-daq is an analogue scanner capable of scanning voltage, current or a mixture of the two. It can be used in conjunction with the Chell CANdaq or QUADdaq products to provide a complete data acquisition system.

- *Acquires voltage or current.*
- *Available with 'D' type or Lemo® connectors.*
- *Compatible with any pressure scanning acquisition system.*
- *Complete with calibration interface so all channels can be calibrated through one port.*
- *Better than 0.06% FS system accuracy.*
- *Up to 1250Hz per channel acquisition speed.*
- *Can be used with other Chell products as part of a miniature acquisition system.*



Chell I-Daq Analogue Scanners.

The Chell I-Daq is a compact, high accuracy analogue scanner that multiplexes 32 inputs into a single output. The electrical interface is exactly the same as the Pressure Systems pressure scanners. The I-Daq can therefore be purchased with the Chell CANdaq or QUADdaq to provide a complete acquisition system.

Alternatively, the I-Daq can be substituted for a pressure scanner in any existing system to provide additional analogue measurements. When used with the QUADdaq, the I-Daq can be used in conjunction with the pressure scanners to provide a multi-input acquisition system.

The I-Daq also features a calibration interface which allow all the channels to be calibrated through a single port. When the calibration plug is inserted into the I-daq, the status LED will change to red and the ports will be commoned. This will allow all channels to be quickly and easily calibrated. When a split range is selected, two calibration ports are available.

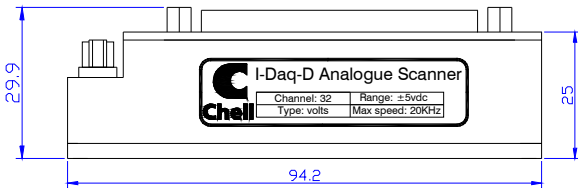
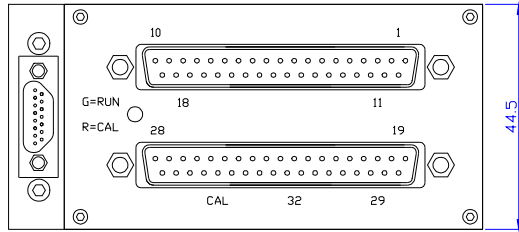
PSI Pressure Scanners



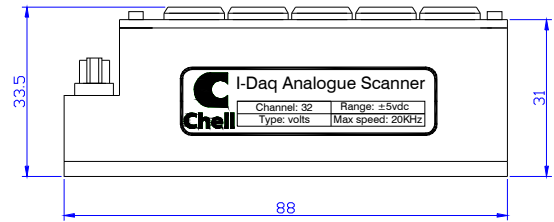
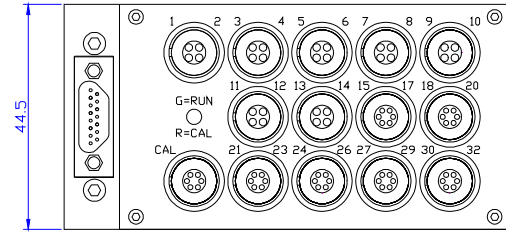
'D' Type Version



'D' Type Version



Lemo® Version



Chell I-daq	
Channels	32
Acquisition speed	up to 20KHz
Connectors	4 way and 6 way 0B Lemo
Input impedance	Greater the 10MOhm
Maximum voltage input	20 Volts DC
Maximum current input	45 mA cont, 65mA peak
Thermal stability (voltage)	0.0002%FS/DegC
Thermal stability (current)	0.0035%FS/DegC
'D' Type Version	
Connectors	2 x 37 way 'D' Type
Dimensions (L x W x H in mm)	94.1 x 44.5x 29.9
Weight	170 grams
Lemo Version	
Connectors	4 way and 6 way 0B Lemo
Dimensions (L x W x H in mm)	88 x 44 x 32
Weight	225 grams

Option	Input Voltage
1	-5 to +5 Volts DC
2	-2.5 to +2.5 Volts DC
3	-1 to +1 Volts DC
4	0-10 Volts DC

I-Daq and CANdaq

