

Batteries Included



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There were several challenges that needed to be met including measuring high voltages, closely monitoring temperatures, monitoring over long periods, a high channel count and the ability to detect & indicate alarm conditions.

The Prosig P8048 met all of these requirements.

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- measuring high voltages
- closely monitoring temperatures
- integrating with CAN-bus measurements
- monitoring over long periods
- high channel count
- ability to detect & indicate alarm conditions.

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Two P8048 chassis are mounted in a self-contained wheeled cabinet. The system was required to measure a voltage of up to 5V with a common mode voltage of up to 500V. This is achieved using isolation units mounted inside the cabinet on DIN rails. The isolation units are included in the calibration path to ensure overall accuracy is within specification.



There are 112 analogue inputs in total plus 32 thermocouple inputs, CAN input and digital lines.

The DATS software provides all the necessary capture tools to monitor the battery states for days, record data for specified events and raise alarms if user specific limits are reached.

System consists of

P8048

24-bit data acquisition system

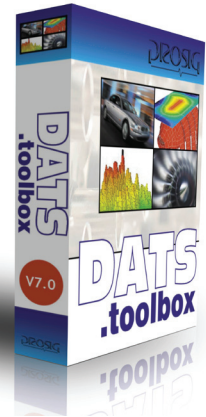


- 2 x P8048 Chassis
- 14 x 8412 8ch IEPE, Direct
- 4 x 8408 Thermocouple
- 1 x 8440 CAN/GPS
- 1 x 8424 Digital I/O

DATS

Analysis software

- 1 x DATS Toolbox software



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