

Readouts and Data Loggers

PCTE offers a suitable range of Data Loggers both Battery Powered Readouts and Automatic Data Loggers:

- Battery Operated Digital Readout Unit
- Static Unilogger, 4 Channel Data Acquisition Unit
- Static Unilogger, 8 Channel Data Acquisition Unit

LPI Battery Operated Digital Readout Unit

UTC-4920

The LPI Battery Operated Digital Readout Unit has been designed to be used with load cells or pressure transducers on various material test applications.

The unit is operated with DC voltage sources from -1.5 to 1.5 volts.

The LPI readout unit is extremely handy and can be used to retrofit old compression machines with manometer (gauge).



Static Unilogger

Static Unilogger is an intricate data acquisition unit which provides the connection between software and the transducers connected to the test equipment.

Static Unilogger, 4 or 8 channel data acquisition unit depends on the model, 24 bit A/D convertor (260,000 effective divisions), digital gain selection, suitable for potentiometric transducers mv/V sensors (pressure transducers, load cells, linear transducers), 4MB memory.

UTG-0320 Static Unilogger is used for triaxial tests and consolidation tests or for general data collecting purposes.



UTC-4920

- Requires 2 x AA batteries
- Real time numeric display of load and load rate
- 1 channel with two different calibration table (can be used for 2 sensors)
- Peak hold property
- Multi-point calibration
- Easy preload zeroing
- 8 keys keyboard
- Serial port for PC or printer

UTG-0320 & UTG-0325

- 4 channel UTG-0320 model
- 8 channel UTG-0325 model
- High resolution: 16M points (effectively 260,000 points)
- Large permanent memory
- Ethernet port for PC connection
- CPU card by microprocessor 32-bit ARM risk architecture
- 10 (sample/sec) / channel

About PCTE

PCTE have over 30 years' experience in the measurement and testing of construction materials. PCTE can provide more than just the equipment, they can provide expert training. PCTE have a service centre in Sydney in which they can provide calibration, repairs and warranty repairs.

PCTE supply three main ranges: NDT, Lab and Geotech Instrumentation.

- NDT includes: Rebound Hammers, Covermeters, Ultrasonics, GPR, Corrosion Testing, Coating Testing and Foundation Testing
- Lab includes equipment for: Concrete, Cement, Aggregate, Soil, Asphalt and Metal
- Geotech Instrumentation includes: Strain Gauges, Piezometers, Inclometers, Extensometers, Tiltmeters, Load Cells and Dataloggers