



A good approximation of the run-time of any piece of equipment can be gained using the PAG Digital Battery Reader Conversion Card. With the PAG Battery Reader giving the remaining battery capacity, and a knowledge of the power consumption in watts, the conversion card enables the user to calculate the expected running-time.

The display incorporates a backlight which will operate while the Reader is applied to the battery.

A display of four dashes indicates that the Reader has not communicated correctly with the battery. Check that the battery is a Digital or System RTI model. Alternatively, the Reader may not have made good contact with the battery, in which case it should be re-applied.

Repeated partial discharge of the battery can result in temporary loss of usable capacity. It is undesirable to continue using a battery with such a regime, as the condition is liable to become irreparable. In this event, the Reader will display the capacity figure alternating with the phrase 'CYCL'. When the Reader is removed from the battery, the phrase 'CYCL' will be displayed for five seconds. A complete charge followed by a full discharge will clear the condition, and the Reader will confirm this by again showing the normal display when applied to the battery.

The PAG Battery Reader will provide an accurate indication of capacity remaining when applied to PAG Digital SuperPack or System RTI batteries. Standard SuperPacks are not suitable for use with the PAG Battery Reader.

The unit incorporates a microcontroller and a unique communications mechanism, which enables it to interrogate the battery, using only the normal battery positive and negative terminals. The Reader is powered by its host battery.

The Reader is designed specifically for the PAGlok battery connector. It is not polarity sensitive, and can be applied to the terminals in either orientation.

The capacity figure will be displayed for as long as the Reader is applied to the battery, and the reading will persist for a period of five seconds after removal from the battery. If the Reader is applied to another battery during this period, the new reading will be displayed immediately.