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Features

- Provides up to six hours of operation for portable data acquisition
- 28 VDC excitation output for application, such as 4 to 20 mA transducers biasing

The DBK30A rechargeable nickel-cadmium battery*/excitation module enables IOtech's data acquisition systems to be used in remote or portable applications.

The DBK30A has two operating modes. In one mode, it provides a 14 VDC output capable of operating one of the above mentioned systems for three to six hours**. In the second mode, it provides an additional 28 VDC output, referenced to system common, that can be used to provide excitation for 2-wire or 4 to 20 mA transducers. At the same time, the 14V output can power IOtech's portable data acquisition systems for up to three hours. An internal switch allows the user to configure the DBK30A as needed.

The DBK30A has two battery packs, each with its own peak termination charging circuit. The unit features a charge-status LED that indicates charging and full-charge status, and also provides a power-out LED that indicates external loading. The unit includes an AC adapter for recharging.

The DBK30A is designed for stand-alone, autonomous applications when no other power source is available, and does not provide system power while in charging mode. It is not suitable for use as a UPS (uninterruptible power supply). For applications requiring a UPS, use the DBK34A.

Packaging. The DBK30A can be stacked beneath a WaveBook, ZonicBook, DaqBook, or LogBook portable data acquisition module. The result is a compact and securely connected data acquisition system that can be conveniently carried from one application site to another.



The DBK30A is a rechargeable battery/excitation module ideal for remote or portable applications

Specifications

Battery Type: Nickel cadmium
Number of Battery Packs: 2
Battery Pack Configuration: 12 series-connected Sub-C's
Output Voltage: 14.4V or 28.8V (depending on the selected mode)
Output Fuses: 2A
Battery Amp-Hours: 3.4 A-H
Charging Voltage from Supplied AC Adapter: 22 to 26 VDC @ 2A
AC Adapter Input: 95 to 265 VAC @ 47 to 63 Hz
Charging Time: 2 hours or less
Charge Termination: Peak detection
Dimensions: 285 mm W x 221 mm D x 35 mm H (11" x 8.5" x 1.375")
Weight: 2.4 kg (6 lbs)

Ordering Information

Description	Part No.
Rechargeable battery/excitation module including AC power adapter	DBK30A
5-pin male DIN to 5-pin male DIN, 6 in.	CA-115

Product Compatibility

- ✓ WaveBook
- ✓ ZonicBook
- ✓ LogBook
- ✓ DaqBook

* Nickel-cadmium batteries are warranted to be free from defects. However, due to the memory characteristics of this battery type, charge characteristics are only warranted for 90 days.

** Duration for a new, fully charged system. Actual time is a function of total power output. Amperage draw can not exceed 2 Amps.



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