

μCache Bluetooth® Micro Logger

Connects directly to many Apogee sensors for live measurements and field logging



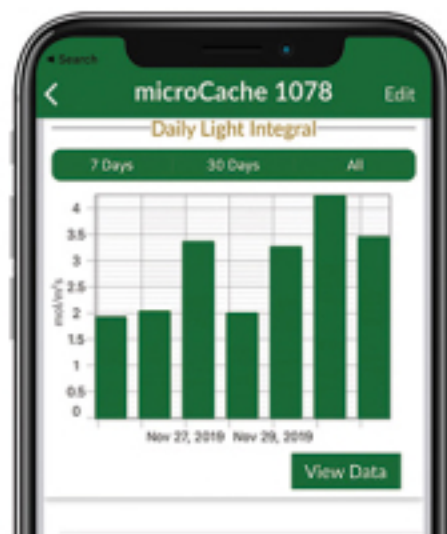
Overview

The Apogee μCache (microCache) is a rugged, battery-powered, low energy*, Bluetooth® datalogging device that currently interfaces with most Apogee analog sensors. When used as a standalone field-logging device, the unit contains enough memory to store nine months of one-minute data using the internal battery. Data can be viewed on your mobile device using our free ApogeeConnect App software for iOS and Android devices. ApogeeConnect features live meter mode, real-time graphing, and the ability to wirelessly transmit datasets to your computer.

*μCache is only low energy when with longer sampling intervals

Features

- Stores and transmits real-time data to iOS and Android devices
- View and download data with ApogeeConnect app for mobile devices
- Programmable sampling and logging intervals
- Live meter and datalogger modes
- Large capacity: nine months of data at a one-minute logging interval
- High resolution 24 bit analog-to-digital converter
- IP67 rated for harsh environments
- Works with Apogee quantum, pyranometers, infrared radiometers, and more. See our website for a current list of compatible sensors.



AT-100

Communication Protocol	Bluetooth® Low Energy (Bluetooth 4.0+)
Bluetooth Range	Approx. 45 m (line-of-sight)
Data Logging Capability	Logging Interval: 1 second–60 minutes Sampling Interval: ≥ 1 second
Data Log Capacity	Over 400,000 entries (approx. 9 months at a 1-minute logging interval)
Time Accuracy	± 30 seconds per month at 0° C–70° C
Battery Type	2/3 AA 3.6 Volt Lithium Battery
Battery Life (impacted by sampling interval and amount of time connected to a mobile app)	Approx. 1 year with 10-second sampling interval averaging 5 minutes daily connected time; Approx. 2 years with 60-second sampling interval averaging 5 minutes daily connected time
Operating Environment	-40 to 85 C
Dimensions	66 mm length, 55 mm width, 18 mm height
Weight	52 g
IP Rating	IP67
Connector Type	M8
ADC Resolution	24 bit
Warranty	4 years against defects in materials and workmanship