

D505 | Our latest satellite data logger.

Log your data without logging the miles. The beadedstream D505 Data Logger is purpose-built for remote deployments and reliable performance in extreme conditions. Now with enhanced solar powered and Bluetooth capabilities.



Specifications

Hardware / Firmware	<ul style="list-style-type: none"> ● Ultra low-power, high performance industrial microcontroller ● Multi-threaded custom embedded OS
Storage	<ul style="list-style-type: none"> ● Capacity for over 1 million temperature readings ● Non-volatile flash memory
Real Time Clock	<ul style="list-style-type: none"> ● ± 5 minutes per year (temperature compensated) ● Periodically synchronizes with GPS network
Communication	<ul style="list-style-type: none"> ● Bluetooth 4.2 wireless interface ● Compatible with <i>Capture</i>, beadedstream's iOS app
Connections	<ul style="list-style-type: none"> ● Up to 4 Digital Temperature Cable (DTC) ports ● Two additional custom-ordered ports for Sonic Sensor or serial patch cable (UART link)
Ultra Low Power	<ul style="list-style-type: none"> ● 5.5 to 8 VDC input ● Sleep mode: 90 μA typical ● Active mode: 70 mA typical
Battery	<ul style="list-style-type: none"> ● Rechargeable 6V 5.5Ah sealed lead-acid battery ● 12 months typical life without solar recharge (transmitting daily)
Integrated Solar	<ul style="list-style-type: none"> ● 3 W integrated single-crystal silicon solar cell; not affected by partial shading ● Highly efficient energy harvesting design. ● Can fully recharge battery after just 5 days of sunlight
GPS	<ul style="list-style-type: none"> ● Embedded 40-channel dedicated GPS processing module ● Integrated 1575.42 MHz antenna

Worldwide Telemetry	<ul style="list-style-type: none">● Embedded two-way satellite transceiver and Iridium antenna● Uses Iridium's mesh network, 82 satellites, 100% pole to pole coverage
Operating Range	<ul style="list-style-type: none">● -40° C to +85° C (-40° F to +185° F)● NEMA Type 4X/IP68
Weight and Dimensions	<ul style="list-style-type: none">● 2.3 kg (5.1 lbs) (<i>without mount</i>)● 7.1" x 7.1" x 3.1" (18 cm x 18 cm x 7.9 cm)
Mounting	<ul style="list-style-type: none">● Multi-function pivoting arm mount comes standard
Contactless Switch	<ul style="list-style-type: none">● Built-in magnetic switch is immune to dust, dirt, mud, and water● Triggers through the case for spot readings and Bluetooth wake