

DQ-1000 Single Channel Frequency Interface



Highlights

Compatibility

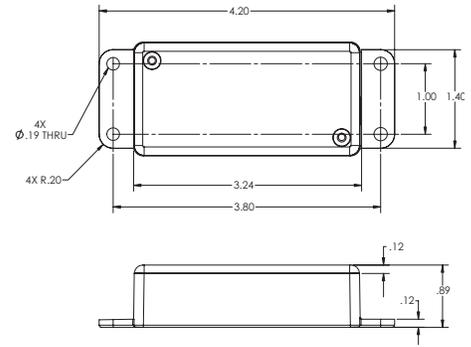
- ★ Works with iLoad Mini Series load cells

Standard Features

- ★ Digital USB or Analog (0.5—4.5V, 0—20mV)

Operating Temperature Range

- ★ -10°C to 70°C, non-condensing



Overview

The Loadstar Sensors DQ-1000 Single Channel Frequency Interface provides a simple and convenient way for users to convert the frequency output of an iLoad Mini sensor to either a USB digital output (DQ-1000U) or analog outputs (DQ-1000A) of 0.5V—4.5V DC and 0—20 mV. When ordered together with an iLoad Mini sensor, the DQ-1000A will be calibrated to the sensor to enable Plug and Sense simplicity, or compatibility with legacy displays that accept 2 mV/V input.

Specifications

| Model | DQ-1000U | DQ-1000A |
|--------------------------|---------------------------------------|--|
| Power input / excitation | 5V DC (from USB port of PC) | 5V DC min.—10V DC max. |
| Current Draw | 65 mA max. | 100 mA max. |
| Sensor Connector | USB 5-pin mini-B female | USB 5-pin mini-B female |
| Output connector | USB 5-pin mini-B female | Screw terminal block |
| Output | Digital USB | 0—5 V DC and ratiometric 2mV/V (optional 4mV/V) analog outputs |
| Update rate | 150 readings / second (500 available) | n/a |
| Response rate | n/a | 1 KHz |
| Dimensions | 4.2" x 1.6" x 0.8" | 4.2" x 1.6" x 0.8" |

Ordering Information

| Available Configurations | |
|--------------------------|----------|
| Option | Part No. |
| USB Output | DQ-1000U |
| Analog Output | DQ-1000A |

Certifications



Frequency to Digital USB Output



Frequency to Analog Output

