FOCIS™ PXIe Data Capture Unit

High Speed Data Acquisition and Blade Tip Clearance Measurement System

The Prime Photonics Data Capture unit is based on the PXIe architecture. Each FOCIS™ Data Capture Card (DCC) can acquire 4 channels of BTT data or 2 channels of BTC data from the companion FOCIS™ Sensor Interface Unit (sold separately). Timing features are analyzed from the input signals in real-time and digital blade tip timing measurement data can be processed onboard, logged to the hard drive or captured via Ethernet, serial or PXIe bus interfaces.

Channels

- Up to 4 optical BTT or 2 BTC signals per Data Capture Card (DCC)
- 7 or more Data Capture Cards can be operated in a single PXIe chassis

Data Acquisition

- All channels simultaneously acquired at 100 MHz sample rate
- Data acquisition is time-stamped and synchronized

Data Output

- Ethernet, serial, PXIe bus
- Analog output can be supported using optional D/A PXIe boards

Operating Temperature

- 30 °F - 120 °F (0 - 50 °C)

Dimensions (H x W x D)

- 7.5" x 10" x 8.5" (190.5 mm x 254 mm x 215.9 mm)
- Weight: 15 lbs. (6.8 kg)

Power Requirement

- 110 VAC / 220 VAC Standard

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