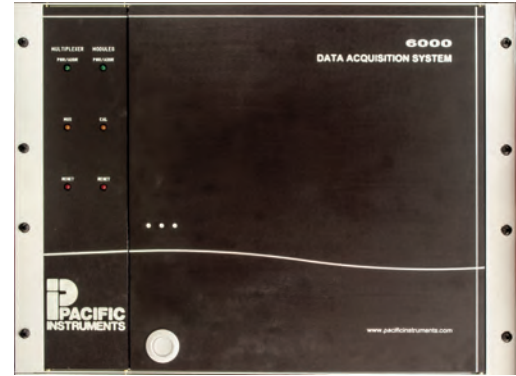


The 6000E-1 enclosure has 16 slots for Series 6000 input and output modules with a gigabit Ethernet interface for programming, control and data output. An internal Control & Data Processor (Model 6096) provides an Ethernet interface to the remote Operators Workstation. The 6000E-1 has 5 USB 2.0 connectors on the rear panel. This allows multiple Model 6000U (up to 63) enclosures to be used for system expansion. A sample clock bus is provided for multi rack installations. The 6000E-1 is an enhanced version of the 6000E enclosure using improved power supplies. It is lighter, more rugged and offers ultimate reliability and performance. It is fully compatible with all system 6000 I/O modules and with 6000U racks.

The enclosures are 8U 19-inch rack-mount. The enclosures have integral fans providing air circulation and an internal cable tray that routes the input and output cables from the front of the installed modules to exit the rear of the enclosure.

Data Recording Redundancy is optionally available. A 2.5" HD (Model 6095) mounts on the USB controller board in each 6000E-1 enclosure and provides a redundant recording point for the DAS. In the unlikely event the Operators Workstation or DAS Software fails, data will continue to record in each enclosure and can be recovered from the system post test.

The Operators Workstation (PCCOWU-DHD) is the primary control and data recording point for the Series 6000 DAS. The PCCOWU-DHD is typically installed in the control room and runs PI660 Data Acquisition Software for system setup, calibration, display, recording, distribution and export.



FEATURES

- Enclosure for 16 I/O modules
- Ethernet Interface provides up to 4.8 MS/s aggregate data rate
- Calibration voltage distribution
- Alarm busses for control of external equipment
- Optional on-board data storage
- Higher performance, reliability, ruggedness and lower weight

SPECIFICATIONS

DATA FORMAT

Data Word16 or 32-bits, 2's complement binary.
Scan TableMaximum format length is 65,536 samples.
Sample RatesMultiple sample rates consisting of the highest sample rate divided by binary numbers. Highest sample rate is programmable with 1 uS resolution.

DATA INTERFACE

Output RateProcessor dependent, up to 4.8 million 16-bit samples/second (4.8 MS/s).
Latency.....Processor and scan table dependent, typically less than 5 milliseconds.
Clock Stability.....100 ppm over temperature range.

OPERATION

ProtocolGigabit Ethernet.
SoftwareWindows 10 64-bit driver provides a high-level operating command set. Fully compatible with all implementations of PI660 operating software.
Control Inputs.....TTL inputs for Start, Stop and Trigger assert flags in the header of output data that initiate software control operations.
AlarmsWarning and alarm buses may be independent or shared between enclosures and may initiate an output from a digital I/O type module.

CONNECTIONS

Calibration15-Pin Type D mounted on rear panel. Mating connector supplied.
Control9-Pin Type D mounted on rear panel. Mating connector supplied.
Synchronization.....Sampling clock synchronization for multiple rack systems. RJ45 connector on controller board. Category 5, 2-meter cable supplied.
USB5 USB 2.0 ports on rear panel for system expansion.
EthernetRJ45 connector on rear panel.

MECHANICAL

Power90 to 264 VAC, 47 to 63 Hz, 400 Watts.
Temperature0°C to +50°C operating.
Humidity95% without condensation.
Shock/VibrationNormal shipping and handling of laboratory instruments.
Size19 inches wide, 14 inches high, 23 inches deep (including connectors).
WeightApproximately 50 pounds with all channel modules.

OPERATORS WORKSTATION (PCCOWU-DHD) (OPTIONAL)

Operating System ..Windows 10, 64-Bit.
ProcessorIntel Core i7 or better. 32GB RAM.
Media512GB SSD or better and CD/DVD. Dual SSD Option. Larger disk drives available.
EthernetGigabit Ethernet.
DisplayDual 24" Widescreen for PCCOWU-DHD. No Display for CDP. Larger, distributed or multi-monitor configurations available.
Power115 or 230 VAC, 47 to 63 Hz..
Temperature0°C to +50°C operating.
Size2U high, 19" Rack Mount. Other configurations available.

ORDERING INFORMATION

6000E-1Enclosure, 16-slot, Ethernet Interface.
6095Redundant Hard Drive.
CDP-1AControl & Data Processor.
CDP-1-DHDControl and Data Processor, Dual Hard Drives.
PCCOWU-DHDOperators Workstation, Dual Hard Drive.