

# Multifunction DAQ Accessories

## BNC-2090 Shielded BNC Adapter Chassis (See Figure 5)

The BNC-2090 is a shielded, rack-mountable adapter with signal-labeled BNC connectors, spring terminal blocks, and component locations for passive signal conditioning. Consists of 22 BNC connectors and 28 spring terminals to simplify connection to your analog, digital, trigger and counter/timer signals. The BNC-2090 has silk-screened component locations that you use to develop simple signal conditioning circuits. For added flexibility, you can connect any E Series DAQ device to the BNC-2090 from the front or rear through dual 68-pin connectors.

BNC-2090 .....777270-01  
 Dimensions – 48.3 by 4.4 by 18.8 cm (19.0 by 1.7 by 7.4 in.)



Figure 5. BNC-2090 Shielded BNC Adapter Chassis

## CA-1000 Configurable Signal Conditioning Enclosure (See Figure 6)

The CA-1000 is a configurable enclosure that gives you maximum user-defined connectivity and flexibility through customized panelettes. Each enclosure can accommodate up to nine panelettes.

CA-1000.....(See page 351)  
 Dimensions – 30.7 by 25.4 by 4.3 cm (21.1 by 10 by 1.7 in.)



Figure 6. CA-1000 Configurable Signal Conditioning Enclosure

## TB-2705 Terminal Block for 68-pin PXI E Series and S Series Devices (See Figure 7)

The TB-2705 is a screw terminal block for your PXI E Series or S Series DAQ module. It latches to the front of your PXI module with locking screws and provides strain relief and easy access to your analog, digital, trigger and counter/timer signals through screw terminals.

TB-2705 .....778241-01  
 Dimensions – 8.43 by 10.41 by 2.03 cm (3.32 by 4.1 by 0.8 in.)



Figure 7. TB-2705 Terminal Block

## SCB-68 and SCB-100 Shielded I/O Connector Blocks (See Figure 8)

The SCB-68 and SCB-100 are shielded I/O connector blocks for rugged, very low-noise signal termination for connecting to 68-pin or 100-pin E Series DAQ devices, respectively. Silk-screened component locations provide an easy addition of simple signal-conditioning circuitry for your analog input channels. They also include general-purpose breadboard areas (two on the SCB-68; three on the SCB-100) as well as an IC temperature sensor for cold-junction compensation in temperature measurements.

SCB-68 .....776844-01  
 Dimensions – 19.5 by 15.2 by 4.5 cm (7.7 by 6.0 by 1.8 in.)  
 SCB-100 .....776990-01  
 Dimensions – 19.5 by 15.2 by 4.5 cm (7.7 by 6.0 by 1.8 in.)



Figure 8. SCB-68 and SCB-100 Shielded I/O Connector Blocks

## TBX-68 I/O Connector Block with DIN-Rail Mounting (See Figure 9)

The TBX-68 is a termination accessory with 68 screw terminals for easy connection of field I/O signals to 68-pin DAQ devices. It includes one 68-pin male connector for direct connection to 68-pin cables. The TBX-68 is mounted in a protective plastic base with hardware for mounting on a standard DIN rail.

TBX-68 .....777141-01  
 Dimensions – 12.50 by 10.74 cm (4.92 by 4.23 in.)



Figure 9. TBX-68 I/O Connector Block