

# PowerNet-CD Base Package

## Overview

Power Test PowerNet-CD is a complete data acquisition and control package for chassis dynamometers. When used with a chassis dynamometer, CD transforms a specially designed interface box, a standard computer and a handheld controller into a highly efficient engine development and qualification tool.

PowerNet-CD features:

- Manual, Set Point, and Automated control methods of torque, power, and engine speed
- Robust, non-proprietary, industrial data acquisition and control hardware
- Display, record, save and print torque, power, speed, temperatures, pressures, a variety of optional sensor inputs, plus calculated channels
- Easy to configure displays, reports, and automated patterns
- All channels easily configured for sensor name, units, and alarm values using pull-down menus.
- System includes: CD Controller, Handheld Controller, PowerNet Commander PC, flat screen monitor, keyboard, mouse, printer, and all connections and sensors for channels ordered

Power Test PowerNet CD system includes four (4) temperature sensors and four (4) pressure sensors. Information from these sensors and the torque, rpm and power measurements from the dynamometer are automatically recorded to the Commander computer's hard drive.



63249 - PowerNet CD Computer System and Handheld Controller Shown

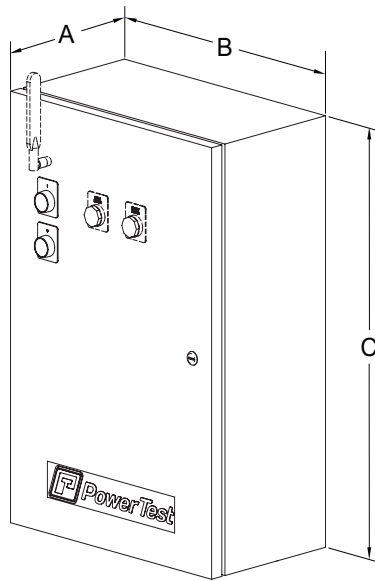
The handheld controller is an extension of the Commander computer that permits operation of the dynamometer from inside the cab of the test vehicle. It is the primary interface between an operator and the dynamometer.



### Note

*Temperature inputs expandable to 16 channels, pressure inputs expandable to 8 channels.*

# PowerNet CD System



71180 - PowerNet CD Control Box

Description	Part #	Dimensions (inches)			Voltage (VAC)	Amperage	Weight (lbs)
		A	B	C			
PC Computer System w/19" Monitor	63249	11	18 3/4	21 5/16	90-264	3A-1.5A	46
Commander Software - PNET CD	23545	-	-	-	-	-	-
HP Deskjet Printer	C-00307	15	16 1/2	10 1/2	100-240	.5A	5
Surge Suppressor	11915	3 1/2	6	2 1/2	120/240	-	3
PNET CD Control Box	71180	9 1/8	16	24	90-264	.5A	74