



DynTek-PC / Instrumentation



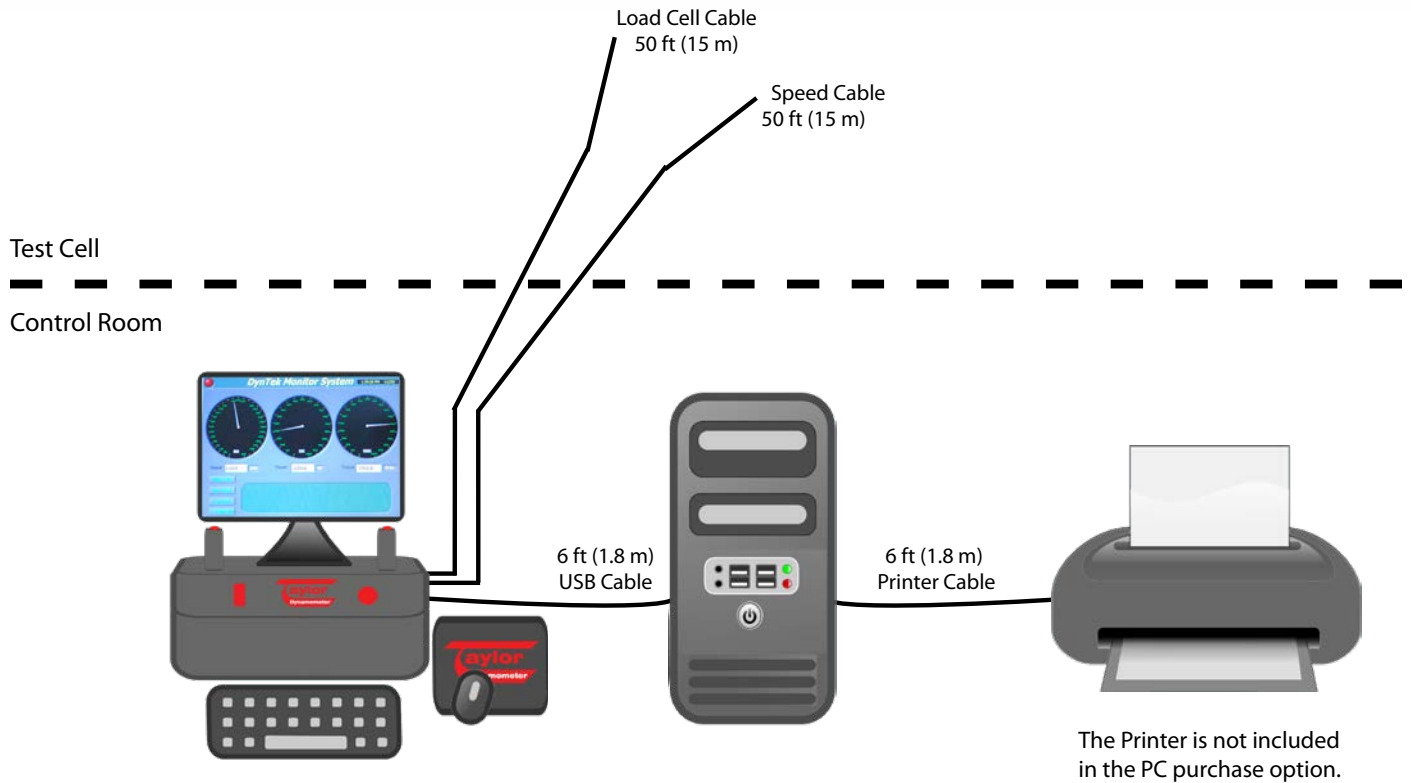
Shown with optional PC, Monitor, Keyboard, Mouse, Mouse Pad, Throttle Control Lever and Load Control Lever.

The DynTek-PC engine dynamometer instrumentation system is a display only system intended for basic engine dynamometer testing requirements. This system provides for the measurement of torque in either tension or compression (both clockwise and counter-clockwise engine rotation) and speed from a standard Magnetic Pickup. The system is designed to set on a table or desktop near the PC.

DynTek-PC collects data for Engine RPM, Engine Torque and Engine Power. The system connects to a standard PC using a single USB cable / port. The software is designed for use on a PC running Windows XP®, Windows Vista®, Windows 7®, Windows 8®, Windows 8.1® or Windows 10® operating systems. The PC (purchased separately) may be customer provided or purchased from Taylor Dynamometer. When a PC is purchased from Taylor Dynamometer along with the DynTek-PC system, the software is pre-installed and tested prior to shipment. This system is NOT upgradeable.

The DynTek-PC system allows the operator to take a data point at the press of a button or by setting a log interval for data to be taken at the desired rate during testing. When a test is complete, DynTek provides a very simple report for presentation to your customer or for your records.

Everything you need to succeed



Specifications

AC Power

Universal AC power input (110/230 VAC, 50/60 Hz)

Engine Speed Input Channel

Frequency: 0 to 14,000 Hz

Variable Reluctance Sensor (Magnetic Pickup)

Amplitude Minimum: 80m VAC

Maximum: 130 VAC

Minimum Pulse Width: 100 microseconds

Accuracy: + 3 Hz

Engine Torque Input Channel

Strain-gage: 0 to 10,000 ft-lb (0 to 13,560 Nm)

Input range: 0 to 50 mV DC (Differential or Single Ended)

Capable of driving one (1) 350 ohm bridge load cell

Accuracy: The greater of 0.25% Full-scale or + 8 ft-lb

Displayed Data

Engine Speed (rpm)

Engine Torque (ft-lb/Nm)

Engine Power (hp/kW)

Everything you need to succeed

