



DynTek-PC

DynTek-PC



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 either the Windows XP™ or Windows Vista™ operating system. 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.



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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.

Contact your Taylor Dynamometer Sales Representative for pricing information.

Specifications

AC Power:

Universal AC power input (110/230VAC, 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-lbs (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-lbs

Displayed Data:

Engine Speed (rpm)
Engine Torque (ft-lbs/Nm)
Engine Power (Hp/Kw)

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