HT-1600(R)-PCI

Dyno Data Acquisition Software

Since 1989, Huff Technologies Inc. has been building data acquisition systems for all types of dynamometer testing. From NASCAR V-8's to one(1) cylinder go-carts, Huff Technologies Inc. has instrumented water brakes, and hydraulic brakes to provide the most repeatable and informative dyno systems in the business.

Huff Technologies Inc. dyno data acquisition systems are PC based and run under a Windows 95/98/2000 operating system. They include one(1) data acquisition card which mounts in any PCI slot in your PC. All cables are provided to your specified length for your convenience.

Systems Requirements:
- IBM™ Compatible PC w/Pentium II ™ 633 processor and 32 MB Memory
- Water Brake, Hydraulic, or Eddy Current dynamometer w/ Torque cell or pressure output.
- Power Requirements: 120vac @ 10 Amps (standard wall outlet)

Features:
- Real time **Inertia Compensation**
- **Calculation** of : Correction factor, **B**rake **S**pecific **F**uel **C**onsumption ,Air density, volumetric efficiency, Fuel flow, mass air flow, CFM, SCFM, Acceleration Rate, and # Samples.
- User Calibration of all sensors
- Real Time Graphing during Run
- Print, Plot, Store, and retrieve all data

HUFF Technologies Inc.

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Engine Dynamometers

Specifications:
The standard system includes:

- **Sixteen (16) Analog** Sensor Inputs with programmable ranges. Nine(9) of the fourteen are dedicated to: Torque, RPM, air temp, humidity, barometer, Fuel Flow1, Fuel Flow2, Mass Airflow1, Mass Airflow2, three(3) EGT's, and two(2) Low Temp Probes . The additional two(2) are user programmable.
- **Sensors Included:** Strain Gage, RPM Pick-Up, Air Temp, Relative Humidity, Barometer, and one(1) Fuel Flow Meter (specify ranges**)**
- Huff Technologies Inc. Windows ᵗᵐ based "**WinDyno**" software with visual gauges and mouse driven pull down menus.
- Technical support

Options:
- Air Flow Meters (Mass or Turbine)
- Additional Sensors(Pressure, Vacuum, Flow, Etc.)
- Thermocouples / Adapters
- Custom Software