Physical Measurement Module for Motor Test Systems

PHENIX TECHNOLOGIES

Testing Applications

Perform advanced physical measurements to your motor under test by the following inputs:

- Vibration Measurement
- Thermocouple Temperature Measurement
- RTD Temperature Measurement
- Tachometer / Optical Speed Measurement

Add Physical Measurement capability to virtually any Motor Test System to perform advanced motor analysis

- **Variety** of **configurations** available
- **Interfaces** to a variety of **controllers**
- Mounted in a **single, stand-alone benchtop** enclosure (cart included)
- **Security circuit interlock**
- **Operates** on standard **120** or **240 Volts**

The Physical Measurement Module is customized for your specific application. Consult with one of Phenix Technologies' sales representatives to select the number of RTDs, Thermocouples, and Accelerometers desired.

Vibration Measurement

- Acceleration
- Velocity
- Displacement

Range: 0-0.3 in/sec (velocity), 0-10.00 mil (displacement)
Accuracy: +/-1% of range +LSD

- Select from 0-6 Accelerometers
- Includes 10' (3 m) BNC cables, sensors, and magnetic mounts

Temperature Measurement

- Supports Platinum, Nickel, and Copper RTD material
- Supports Thermocouples Type J, T, E, and N (standard is Type J)

Range: 0-200.0°C (32.0-320.0°F)
Accuracy: +/-1°

- 15' (5 m) lead optional
- Select from 0-16 RTDs (sets of 4)
- Select from 0-16 Thermocouples (sets of 4)

Tachometer / Optical Speed Measurement

- Input jack with removable optical tachometer pick-up

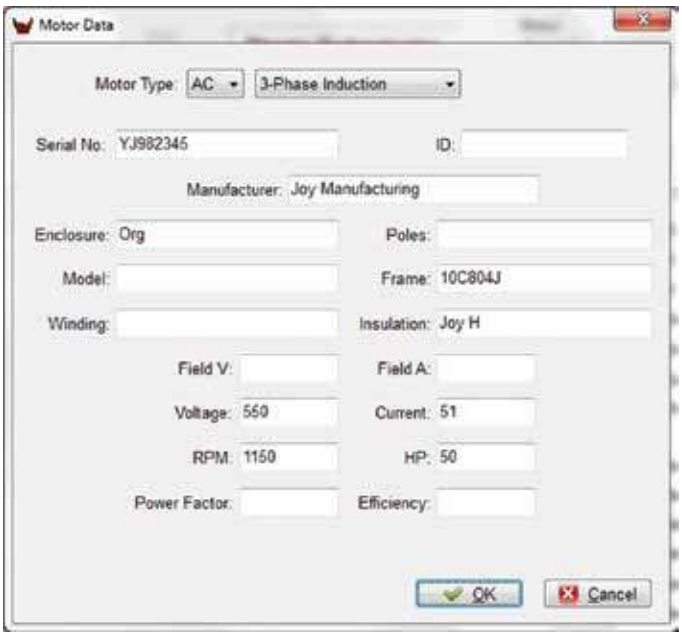
Range: 0-9,999 RPM
Accuracy: +/-1 RPM

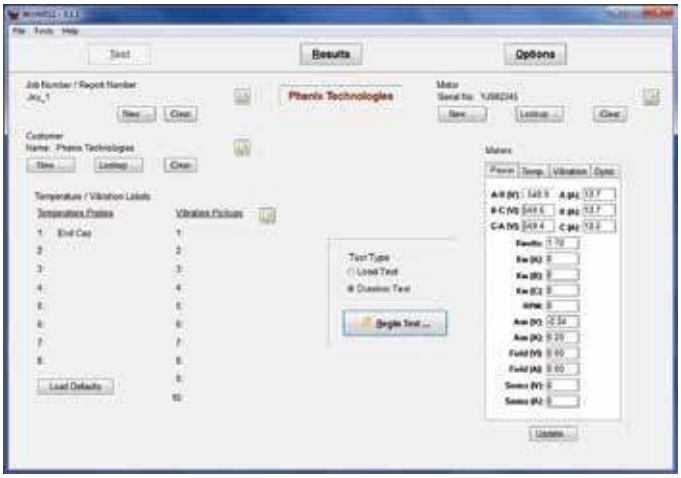
Dimensions: 20" (508 mm) L x 16" (407 mm) W x 12" (305 mm) H

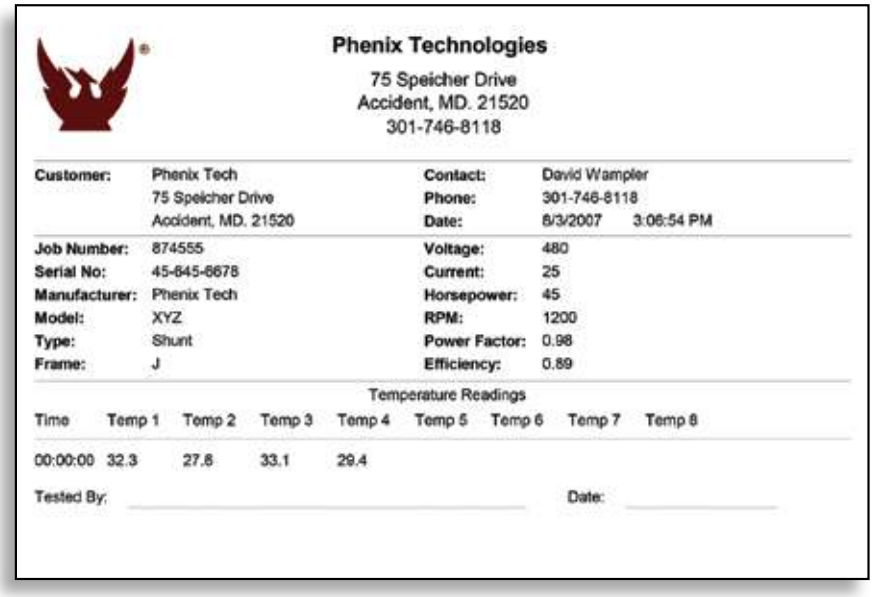
Weight: 37 lbs (17 kgs) (approximate)

MOTOR

Motor data is displayed on a PC screen with data acquisition and report generation via WinMTS software







Phenix Technologies
75 Speicher Drive
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Customer:	Phenix Tech	**Contact:**	David Wampler
	75 Speicher Drive	**Phone:**	301-746-8118
	Accident, MD. 21520	**Date:**	8/3/2007 3:06:54 PM
Job Number:	874555	**Voltage:**	480
Serial No:	45-645-6678	**Current:**	25
Manufacturer:	Phenix Tech	**Horsepower:**	45
Model:	XYZ	**RPM:**	1200
Type:	Shunt	**Power Factor:**	0.98
Frame:	J	**Efficiency:**	0.89

Temperature Readings

Time	Temp 1	Temp 2	Temp 3	Temp 4	Temp 5	Temp 6	Temp 7	Temp 8
00:00:00	32.3	27.8	33.1	29.4				

Tested By: Date:

PHENIX TECHNOLOGIES

WORLD HEADQUARTERS

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