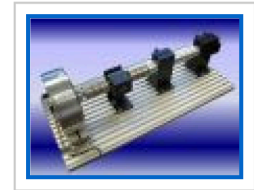


Small Motor Dynamometer [90407]

The Model 90407 Conveyor Test Stand by Sensor Developments Inc. is a device used for testing operational parameters of a conveyor motor/roller. The system operates the conveyor motor/roller and performs loading operations, while recording all of the important motor/roller parameters for later analysis.



SPECIFICATIONS

01424 Sensor

Resolution 16 bits
Accuracy..... .1%
Power Input..... 12VDC
Temperature Range -20 to +85 deg C
Temperature Drift005% per deg C max
Encoder 1024 PPR Quadrature
Speed (in 90407 application)..... 4000 RPM max

Brake

Torque 138 inlb max
Speed 4000 RPM max
Power Input (20 ohm coil) 1.8 amps DC max
Temperature Range -20 to +85 deg C
Encoder 1024 PPR Quadrature
Speed 4000 RPM max

Temperature

Thermocouple Type J, insulated (non-grounded)

Data Acquisition System Inputs

Resolution 16 bits
Bandwidth (Temperature)..... 2 Hz
Bandwidth (all others)..... 4 Hz
Sample Rate 5 samples/second
(200 readings/second, 40 readings averaged/sample)
Record Rate – Automatic Test 1.67 values/second
(each value recorded every 3 samples for settling purposes)
Record Rate – Manual Test 5 values/second
Power 120VAC, 60Hz

Data Acquisition System Outputs

Resolution (analog outputs) 16 bits
Update Rate 5 updates/second
Analog Output Voltage 0 to 10VDC
Relay Contacts..... Form C (SPDT), 5 amps max.