Shaft Status Hp



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We can customize the software to suit your particular needs. Want to add additional parameters such as fuel level, temperature, or another, we can do it. We will help you to create the system that is right for you.

SHARE IT

With our small remote panels the necessary information can be displayed remotely on the bridge. Connection to the main panel is via a small core 4-conductor cable.

DEMAND IT

With all the features available from Shaft Status Hp, why would you settle for anything less. Demand It, Shaft Status Hp, there is no better option!

SHAFT TRANSMITTER

TORQUE STRAIN

Torque is measured with a high accuracy strain gauge.

THE PERFECT FIT

The two piece shaft collar is designed to fit your shaft. From sizes as small as .75 inches, to shafts in excess of 20 inches, we've got you covered.

EASY FIT

Installing the shaft unit on your existing shaft is easy. Just bolt on the two-piece collar and glue down the torque sensitive strain gauge. There is no need to disassemble or modify any of the machinery.

REVOLUTION AFTER REVOLUTION

The non-contact technology just keeps on spinning 24/7. The shaft unit uses inductive coupling to transfer the torque signal from the rotating shaft. The generous clearance between the stationary power ring and rotating collar allow for radial and axial shaft float.

THE DIGITAL AGE

Since there is a non-contact interface between the shaft and master control unit, the digital data is transferred with no signal degradation over time.



INFORMATION

Get the information you need with Shaft Status Hp. Shaft Status Hp is a complete integrated system capable of providing the vital information you need on one graphical display unit. Shaft rpm, direction, torque, horsepower and horsepower hours are all displayed on a compact display unit.

MFP (MULTI-FUNCTION PANEL)

More Information

For more information, connect the shaft transmitter to our MFP. Display information from up to two shafts at one time, on one WEB ENABLED color 7.7" VGA display. Connect fuel flow inputs and speed inputs and you can have performance information right at your finger tips, or at you office computer. With the WEB ENABLED capabilities of our MFP you can view the information on the screen from any computer on the network.

LOG IT

All appropriate information is logged onto a compact flash card. The information is saved in standard CSV format and is accessible via the network. Open these logs into a program such as Excel, and save, trend or print the information as you see fit.

E-MAIL IT

Have the system programmed to E-mail vital information at specific intervals or when certain events occur.



Shaft Status Hp

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Shaft Status Hp—Shaft Transmitter & Monitor Data

Master Control Unit

Output Signal: Torque: 4–20 mA

Horsepower: 4-20 mA

RPM: Pulsed 5 & 19 mA at 6 times per revolution Direction: 5 or 19 mA depending on direction

Resolution: 14 bits

Power: 115VAC or 230VAC switch selectable **Mounting:** Flanged 6 x 6 x 4 inch enclosure

Weight: 3 lbs, plus power ring, which is dependant on size Operating Temp: -40° to +85°C at 0 to 90% RH, non-condensing

Shaft Collar (Shaft diameter to be specified by customer)

Material: Fiberglass epoxy

Maximum RPM: Dependent on shaft diameter

Assembly: Split collar-two halves bolt together onto shaft

Size: Outer diameter: 4 to 6 inches greater than the shaft diameter. Width: 1.25 inches

Weight: Dependent on shaft diameter

Monitor & Displays

Standard and Remote Displays

Input Signal: Torque: 4–20 mA (primary monitor)

Horsepower: 4–20 mA (primary monitor)

RPM: Pulsed 5 & 19 mA at 6 times per revolution (primary monitor) Direction: 5 or 19 mA depending on direction (primary monitor)

Resolution: 12 bits with sign 0–20 mA (primary monitor)

Power: 90 to 240VAC universal (primary monitor), 24VDC (remote display)

Mounting: Panel mount 8.5 \times 6 \times 3 inches H \times W \times D

Weight: 2 lbs

Operating Temp: -10° to +65°C at 20 to 70% RH, non-condensing

Multi-Function Panel

Input Signal: Torque: 4–20 mA (primary monitor)

Horsepower: 4-20 mA (primary monitor)

RPM: Pulsed 5 & 19 mA at 6 times per revolution (primary monitor) Direction: 5 or 19 mA depending on direction (primary monitor) 7 analog inputs channels available for performance inputs or others

Resolution: 12 bits 1–20 mA (primary monitor)

Power: 90 to 240VAC universal (primary monitor)

Mounting: Wall 435mm x 310 mm x 165 mm (H x W x D)

Weight: 12 lbs

Operating Temp: 0 to +50°C at 10–90% RH (non-condensing)

Outputs: Common lamp relay SPST 240V 2A

Common horn relay SPST 240V 2A

System Relay SPST 240V 2A (Pulses once on new alarm)

14 Additional relays SPST 240V 2A optional

Special Features: Web enabled interface allows connection to computer network. Screen can be

viewed and controlled from any authorized computer on the network. Logging

functions accessible via the network. RS485 Communications port.

E-mail on alarm conditions

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