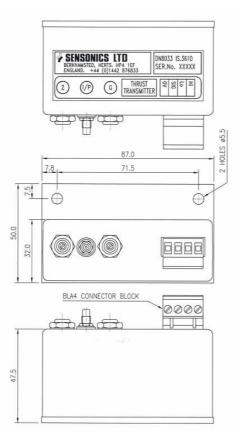
TECHNICAL INFORMATION

DN 8033 Thrust Transmitter

PREDICTIVE MAINTENANCE SYSTEMS





Specification

Hi / Lo Output: Linear Range:

Current Loop Sensitivity:

Accuracy: Linearity:

Frequency Response:

Max Loop Resistance: Input Voltage Range:

Temperature Range:

Weight:

Dynamic Signal Output:

Features

- Up to ±2mm of Thrust Measurement
- 4-20mA loop current output
- Transducer signal output (gap)
- For use with 8mm Proximity Probes
- Zero and Gain controls.

The DN 8033 Thrust Transmitter is designed to measure shaft axial position on a range of rotating plant. The 4-20mA loop powered transmitter offers easy integration with either the machine PLC or a plant wide DCS.

The unit operates in conjunction with Sensonics standard or extended range of 8mm diameter proximity probes, offering a maximum range of -2mm to +2mm. This extended range provides further scope for the set up and calibration of the thrust measurement system, which can be restricted by float in the shaft and access to the target.

Providing an output current proportional to displacement, the Din Rail mountable unit provides two miniature multi-turn potentiometers for the setting of the gain and zero point parameters.

4-20mA dc Current Loop Sink

 ± 1.0 mm or ± 2.0 mm

8uA/um or 4uA/um

± 1%

<± 1%

0 to 10Hz

500 Ohms (recommended max)

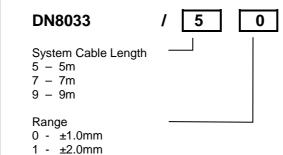
+20V - +28V dc

-10℃ to +60℃

250 grams

0 to +10V

Ordering Information



Note: This product is for use with Sensonics 8mm diameter range of proximity probes and extension cables. Refer to datasheets:

L157 - PRS04 Straight Mount L159 - PRR04 Reverse Mount

DS1222

Sensonics Ltd

Tel: +44 (0)1442 876833 Fax: +44 (0)1442 876477

www.sensonics.co.uk