NEWS RELEASE

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For Immediate Release

FULLY INTEGRATED PROXIMITY PROBES SAVE TIME AND MONEY

Condition monitoring specialists SENSONICS continue to develop their extensive range of **PROXIMITY SENSORS** which includes their **fully integrated PRI SERIES** one of a range of innovative sensors within their established **Senturion proximity probe range**. A good example of this is the **PRI04 Proximity Probe** which, unlike most other proximity probes, includes all the essential elements; calibrated probe, extension cable and most importantly, a built-in driver. The result is a fully integrated probe which is compatible with API 670 systems.

By utilising the eddy current principle, the PR104 benefits from a combination of a tuned circuit with the target material. This means any variations in probe face to target distance will be detected in this circuit by the integral driver to provide highly accurate vibration and relative positional measurements. This provides a linearised voltage output which is proportional to target gap with a normal sensitivity of 7.87 mV/um and a range of up to 2.5mm.

The result is a measurement system which delivers highly accurate (resolution is typically less than one micro-meter) vibration and relative positional measurements, for harsh environments with temperatures up to 120ºC. The probe temperature range is limited to 120ºC due to its integrated electronics and is therefore suitable for most pumps, fans and hydroelectric generator vibration monitoring applications.

Removing the need for a separate driver and associated housing provides a significant cost saving – with no compromises in delivering measurement accuracy. Furthermore, the fully integrated assembly also means increased immunity to signal interference with the removal of the probe to driver connecting cable. The probe offers cable lengths of 5m or 10m for flexible connection to the machine with the capability of driving up to 500m of cable to the connecting system without loss of accuracy.

More at:
https://sensonics.co.uk/hubfs/DN2601%20dual%20channel%20vibration%20monitor%20module.pdf ENDS

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