



DIAGNOSTIC SYSTEM

An diagnostic system for combustion engines and rotating machineries

ALPHABOX

Technology

Analysis of speed sensor signal

Function

Diagnosis of combustion engines and rotating machineries by using instantaneous angular speed analysis.

Specifications

Input Signal

| | |
|---------------------|-------------------------|
| VR Sensors | Analog -24 V up to 24 V |
| Hall Effect sensors | Digital 0 to 12 V |

Power Supply

| | |
|---------------------------|--------|
| Nominal Input Voltage | 24 VDC |
| Maximum Power Consumption | 10 W |

Interfaces

| | |
|--------------------------|---|
| Communication Interfaces | <ul style="list-style-type: none"> * Ethernet RJ-45 * USB 2.0 * CAN 2.0B |
| Digital I/O | 8/7 |

Dimension

| | |
|------|--------------------|
| Size | 149 x 103 x 160 mm |
|------|--------------------|

| | |
|----------------|---------|
| Certifications | EN50155 |
|----------------|---------|

Diagnostic Results

| | |
|----------------------|--|
| Combustion Engines | Early detection of changes of mechanical health and engine efficiency |
| Rotating Machineries | Early detection of changes of mechanical health of <ul style="list-style-type: none"> * Turbochargers * Bearings * Traction motors or electrical motors |

Features

- * Based on non-intrusive speed sensors
- * 2 speed sensors for cylinder specific combustion engine diagnosis
- * Clear and concise report
- * Easy to install and put into operation
- * Remote and local access to data
- * Ideally suited for retrofit engines or rotating machineries
- * Continuous monitoring and reporting

Application

- * Diesel engine diagnosis
- * Turbocharger diagnosis
- * Bearing diagnosis
- * Electric/traction motor diagnosis

CONTACT US

Tel +41 61 306 8822
jaquet.info@te.com

te.com/sensorsolutions

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