

# WIL-SHM-S SENSOR - Sensor

1364837

<https://www.phoenixcontact.com/us/products/1364837>

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SNS 74-S1 sensor from Micromega Dynamics for detecting vibrations, damage, and imbalances on the rotor blade of wind turbine generators. Dual-axis accelerometer with temperature measurement. The measured values are available as 4 – 20 mA signals.

## Product description

The WIL-SHM-S SENSOR is a specially optimized sensor for use in wind turbine generators (WTGs) with a dual-axis accelerometer and temperature measurement. The sensor is attached to the inside of the rotor blade using the WIL-GFK-MOUNTING PLATE mounting panel (see "Accessories" tab). Together with a WIL-BI switchgear and controlgear assembly, it is possible to measure vibrations and imbalances on the rotor blade. This enables the early detection of damage to the WTG. Three sensors are required per WTG.

The item is part of the Blade Intelligence rotor blade monitoring system for wind turbine generators (WTGs). The Blade Intelligence rotor blade monitoring system allows for recording and detailed analysis of typical measured values for lightning currents, temperature, ice thickness, bending moments, vibration, and imbalances on the rotor of a WTG. It consists of the corresponding sensors, preassembled connecting cables, and a WIL-BI switchgear and controlgear assembly (as the evaluation unit).

## Your advantages

- Robust sensor for use in the rotor blade of a WTG
- Proactive monitoring of the rotor blade
- Proven technology, optimized for the wind industry

## Commercial data

Item number	1364837
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DT02
Product key	DTHABA
GTIN	4063151711344
Weight per piece (including packing)	300 g
Weight per piece (excluding packing)	300 g
Customs tariff number	90303320
Country of origin	DE

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## Technical data

### Notes

Note regarding documentation

For further technical data and installation notes, see the packing slip and data sheet, "Downloads" tab

### Product properties

Product type

Sensor

### Dimensions

#### External dimensions

Width / Height / Depth

127 mm / 125 mm / 59.2 mm

### Mounting

Mounting type

Screw mounting

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## Classifications

### ECLASS

ECLASS-13.0

27143137

### ETIM

ETIM 9.0

EC000926

### UNSPSC

UNSPSC 21.0

43201500

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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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