

BENTLY NEVADA 3500/25 KEYPHASOR SYSTEM

Product Data Sheet

3500/25 149369-01

Enhanced Keyphasor monitor module

FUNCTION	FAMILY	ORIGIN	WEIGHT
Enhanced Keyphasor monitor module	Bently Nevada 3500/25 Keyphasor syste	United States	0.34 kg

3500 System 3500/25 149369-01 is a Enhanced Keyphasor monitor module for the Bently Nevada 3500/25 Keyphasor system. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Spare Part Number	149369-01 Enhanced Keyphasor
Module Channel Count	Two independent input channels
Accepted Transducers	Proximity probes or magnetic pickups
Input Signal Range	+0.8 V to -21.0 V
Minimum Input Impedance	21.8 kΩ at the terminals
Typical Power Consumption	3.2 W in the rack
Frequency Input Range	0.017 Hz to 20 kHz
Processed Output Range	0.017 Hz to 1667 Hz
Manual Threshold Range	0 to -20 V DC
Selectable Hysteresis	0.2 V to 2.5 V

ADDITIONAL PRODUCT DATA

Buffered Output Impedance	504 Ω maximum loading
Transducer Power Supply	-24 V DC, 40 mA/channel
Operating Temperature	-30°C to +65°C
Rack Space Requirement	One half-height front slot
Main Module Dimensions	11.99 × 2.44 × 25.65 cm

OFFICIAL APPLICATIONS

- Generate the|once-per-turn timing pulse: Convert proximity-probe or magnetic-pickup events into digital Keyphasor timing signals used for accurate shaft-speed and phase reference.
- Reference the|1X amplitude and phase: Supply Keyphasor information to 3500 monitors and diagnostic equipment so rotating-speed, 1X vibration amplitude and phase can be evaluated together.
- Configure the|primary and backup channels: Install two modules in the documented paired arrangement when a TMR application requires primary and secondary Keyphasor signals for the rack.

SYSTEM COMPATIBILITY

Match 3500/25 149369-01 to the installed Bently Nevada 3500/25 Keyphasor system, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Bently Nevada 3500/25 Enhanced Keyphasor Module Datasheet 141532 Rev Y](#)

<https://dam.bakerhughes.com/m/22d0219c69acba5/original/3500-25-Enhanced-Keyphasor-Module-Datasheet-141532-pdf.pdf>

AMIKON PRODUCT SUPPORT

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