

BENTLY NEVADA 3500 MACHINERY PROTECTION SYSTEMS

Product Data Sheet

3500/63 163179-04

six-channel process variable monitor

FUNCTION	FAMILY	ORIGIN	WEIGHT
six-channel process variable monitor	Bently Nevada 3500 machinery protection	United States	0.91 kg

3500 System 3500/63 163179-04 is a six-channel process variable monitor for the Bently Nevada 3500 machinery protection systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	3500/63 163179-04
Product Class	Six-Channel Process Variable Monitor
Product Family	Bently Nevada 3500 machinery protection systems
Monitor Channels	6
Input Types	4 to 20 mA / voltage process variables
Alarm Setpoints	Alert and Danger per channel
Recorder Outputs	4 to 20 mA proportional
Rack Interface	3500 backplane
Configuration	3500 Rack Configuration Software
Display	Front status LEDs

Power Source	3500 rack
Mounting	One full-height slot
Order Option	163179-04

- Support vertical-pump monitoring with Six Channel: During operation of the pump shafts, guide bearings and motor frames, 3500/63 163179-04 serves its documented function as a six-channel process variable monitor. During wet-well level change, the system uses this function to trend the configured vibration channels with pump load, helping it identify hydraulic or bearing-related change.
- Sequence reciprocating compressor condition with Six Channel: Within the cylinder, rod-position and casing sensors, 3500/63 163179-04 supports the configured automation role as a six-channel process variable monitor. During process-gas transition, the system uses this function to associate mechanical signals with the compression cycle, helping it separate process influence from a developing mechanical fault.
- Stabilize mill-stand vibration with Six Channel: In the automation chain for the roll bearings and stand housings, 3500/63 163179-04 handles its designated signal or control duty as a six-channel process variable monitor. During material entry, the system uses this function to relate vibration response to the rolling pass, helping it show chatter or bearing change before product quality is affected.

Match 3500/63 163179-04 to the installed Bently Nevada 3500 machinery protection systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Bently Nevada official product documentation and manufacturer catalog](#)