

3500/62 163179-03

Process Variable Monitor

It is the 163179-03 six-channel 3500/62 monitor for configured process-variable inputs and alarm comparison.

Manufacturer	Bently Nevada
Product family	3500 process variable monitor hardware
Complete model	3500/62 163179-03
Source record	141541

RELATED PRODUCTS ON APTER POWER

01	Bently Nevada 21000-34-05-00-056-04-02	OPEN
02	Bently Nevada 21000-00-00-55-060-03-02	OPEN
03	Bently Nevada 21000-00-00-00-019-03-02	OPEN
04	Bently Nevada 21000-00-00-60-028-02-02	OPEN
05	Bently Nevada 21000-00-00-40-040-02-02	OPEN
06	Bently Nevada CB2W100-032	OPEN

APTER POWER SALES TEAM

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EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



3500/62 163179-03

Exact-model technical record

Complete model	3500/62 163179-03	Supported input type	+/-10 V DC or 4 to 20 mA, depending on I/O
Manufacturer	Bently Nevada	Alarm function	Compares conditioned variables with
Product family	3500 process variable monitor hardware	TMR arrangement	Three adjacent monitors when configured for TMR
Assembly	163179-03	Rack interface	3500 rack configuration software
Input channels	6	Configuration boundary	Input type is determined by the installed I/O

OFFICIAL SOURCE COVERAGE

Source 1	3500/62 Process Variable Monitor Datasheet — Ordering Information, 141541
Source 2	3500/62 Process Variable Monitor Datasheet — Specifications, 141541
Source 3	3500/62 Process Variable Monitor Datasheet — Description and ordering notes, 141541

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System role and applications

Process-variable protection

Monitors six configured plant variables for alarm comparison.

4–20 mA integration

Accepts current-loop variables through the matching I/O assembly.

Voltage signal monitoring

Conditions documented +/-10 Vdc signals when the voltage I/O is installed.

TMR process monitoring

Supports a documented three-monitor arrangement for selected applications.

ENGINEERING BOUNDARY

Confirm 163179-03, the installed I/O input type, all six scaling records, alarm setpoints and any TMR assignment before disconnecting field signals.

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Model-specific engineering questions

Q1. How many input channels are available on Bently Nevada 3500/62 163179-03?

The 3500/62 provides six process-variable input channels.

Q2. Which electrical inputs can Bently Nevada 3500/62 163179-03 accept?

Depending on the installed I/O module, the monitor accepts +/-10 Vdc signals or 4–20 mA current loops.

Q3. What alarm function is performed by Bently Nevada 3500/62 163179-03?

It conditions each assigned process variable and compares the resulting value with user-programmed alarm setpoints.

Q4. What determines the signal type for Bently Nevada 3500/62 163179-03?

The rear I/O assembly determines whether the six channels use voltage or current input hardware.

SOURCE IDENTIFIER

141541

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Acceptance reference and related products

Q5. How is TMR arranged around Bently Nevada 3500/62 163179-03?

The documented TMR arrangement uses three adjacent 3500/62 monitors with the corresponding rack configuration.

Q6. What must be copied before replacing Bently Nevada 3500/62 163179-03?

Record all six input types, engineering units, scaling, alarm delays, setpoints and any TMR voting assignment.

RELATED PRODUCTS ON APTER POWER

01	Bently Nevada 21000-00-00-40-040-02-02	OPEN
02	Bently Nevada CB2W100-032	OPEN
03	Bently Nevada 330180-X1-05 MOD:145004-17	OPEN
04	Bently Nevada 330901-05-65-05-11-05	OPEN
05	Bently Nevada 330901-05-45-05-11-05	OPEN
06	Bently Nevada 330101-02-70-10-11-05	OPEN
07	Bently Nevada 330101-00-40-10-01-00	OPEN
08	Bently Nevada 330105-02-12-05-12-00	OPEN
09	Bently Nevada 330103-00-22-50-12-00	OPEN
10	Bently Nevada 330103-00-16-50-12-00	OPEN
11	Bently Nevada 330103-00-13-50-12-00	OPEN
12	Bently Nevada 330101-00-16-10-11-00	OPEN

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