

APTER POWER

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.

COMPLETE PRODUCT SNAPSHOT

MANUFACTURER	Bently Nevada
FAMILY	3500 process variable monitor hardware
MODEL	3500/62 163179-03
DOCUMENT	141541

RELATED PRODUCTS ON APTER POWER

01	Bently Nevada 21000-16-10-00-126-04-02	OPEN
02	Bently Nevada 330909-00-60-10-01-00	OPEN
03	Bently Nevada 330801-28-00-050-03-02	OPEN
04	Bently Nevada 330801-28-00-115-03-02	OPEN
05	Bently Nevada 330908-00-15-10-02-05	OPEN
06	Bently Nevada 31000-28-05-40-040-02-02	OPEN

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WEBSITE www.apterpower.com



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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 module
Manufacturer	Bently Nevada	Alarm function	Compares conditioned variables with user-programmed setpoints
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 assembly

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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.

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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.

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06	Bently Nevada 31000-28-05-40-040-02-02	OPEN
07	Bently Nevada 43501-01-04-01	OPEN
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11	Bently Nevada 330180-X1-05 MOD:145655-09	OPEN