

PRODUCT
DASHBOARD

143729-01

3500/77M Cylinder Pressure I/O Module with Internal Terminations

Bently Nevada 143729-01 is the internal-termination Cylinder Pressure I/O Module for the 3500/77M Recip Cylinder Pressure Monitor. It interfaces approved positive-voltage pressure transducers with the monitor's cylinder-pressure measurement channels.

BRAND

Bently Nevada

ORIGIN

USA

HS CODE

8537101190

SHIPS FROM

Xiamen, Fujian, China

Technical data dashboard

3500/77M Cylinder Pressure I/O Module with Internal Terminations

HOST MONITOR

3500/77M

I/O FUNCTION

Cylinder pressure

TERMINATION

Internal

INPUT IMPEDANCE

50 kohm

TRANSDUCER SUPPLY

+23.0 +/-0.8 Vdc

CURRENT LIMITING

24.5 mA per channel

PRESSURE-CHANNEL FREQUENCY RESPONSE

0-5.5 kHz

OPERATING TEMPERATURE

-30 to 65 deg C

RACK POSITION

Full-height rear slot

SUPPORTED TRANSDUCERS

Bently-approved positive-voltage pressure transducers

Application and support view

Four engineering use cases plus customer-oriented verification questions.

Reciprocating-compressor cylinder monitoring

Connects cylinder pressure transducers used for chamber pressure measurements.

Suction and discharge pressure supervision

Supports monitor calculations used to observe pressure behavior across the compressor cycle.

Rod load protection calculations

FAQ SNAPSHOT Provides input data used by the monitor's peak compression, peak tension and reversal calculations.

1

Which monitor uses 143729-01?

Compressor alarm commissioning

Supports channel configuration and alarm testing for a 3500/77M protection installation.

2

Does 143729-01?

3

What transducer inputs are intended for 143729-01?

4

What connector headers are listed for 143729-01?

Related-series navigator

Eight unique and verified Apter Power destinations for this dashboard.

01 3500/22M 288055-01 data interface

02 3500/33 149986-01 relay module

03 3500/25 enhanced Keyphasor module

04 3500/15 133292-01 power supply

05 3500/05 system rack

06 3500/72M 176449-08 rod position monitor

07 3500/65 145988-02 temperature monitor

08 330500-00-02 Velomitor sensor

Related pages are navigation aids and are not used as manufacturer parameter sources.

Traceability and commissioning closeout

Confirm 143729-01, the paired 3500/77M front module, rear-slot position, internal headers, approved pressure-transducer scale and polarity, rack grounding, firmware/software revisions and alarm functional testing before commissioning.

OFFICIAL MANUFACTURER SOURCE

3500/77M Recip Cylinder Pressure Monitor Datasheet

147485 Rev. Y

ENGINEERING RELEASE NOTE

Install 143729-01 in the rear I/O position paired with the correct 3500/77M monitor and use only its internal termination headers. Verify transducer polarity, channel scale data and the required monitor firmware and configuration-software revisions before enabling alarms.

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