

PRODUCT
DASHBOARD

149844-01

RK4 Rotor Kit Motor Speed Control Device

Bently Nevada 149844-01 is the motor speed control device used with the RK4 Model Rotor Kit. It powers the rotor-kit motor and Proximitor assembly while controlling speed for machinery-behavior demonstrations and diagnostic training.

BRAND

Bently Nevada

ORIGIN

USA

HS CODE

8537101190

SHIPS FROM

Xiamen, Fujian, China

Complete public-page information view

Technical data dashboard

RK4 Rotor Kit Motor Speed Control Device

SYSTEM

RK4 Model Rotor Kit

MOTOR TYPE

Direct current

INPUT POWER

95-125 Vac or 190-250 Vac, single phase

FREQUENCY

50-60 Hz

MAXIMUM CURRENT

3.0 A

FUSE

250 V, 3 A slow-blow

REMOTE SPEED INPUT

+/-5 V

MAXIMUM SPEED

10000 rpm typical

MAXIMUM RAMP RATE

+/-15000 rpm/min typical

DIRECTION

Clockwise / counter-clockwise

ENVIRONMENT

Indoor, 25 +/-10 deg C

HUMIDITY

95% RH non-condensing

Application and support view

Four engineering use cases plus customer-oriented verification questions.

Rotor-dynamics training

Controls repeatable speed changes while vibration and orbit behavior are observed.

Unbalance and misalignment demonstrations

Provides a stable speed platform for introducing and measuring common rotor conditions.

Keyphasor and proximity-signal exercises

Supports the RK4 probes and Proximitor assembly used for phase and displacement observation.

FAQ SNAPSHOT

1

What system function is assigned to 149844-01?

Oil-whirl and whip studies

Drives the optional fluid-bearing configuration used to demonstrate fluid-induced instability.

2

What mains supplies are supported by 149844-01?

3

Can motor direction be changed with 149844-01?

4

How can speed be commanded remotely on 149844-01?

Related-series navigator

Eight unique and verified Apter Power destinations for this dashboard.

01 3500/65 145988-02 temperature monitor

02 330500-00-02 Velomitor sensor

03 16925-30 seismic interconnect cable

04 330130-080-02-05 extension cable

05 330104-00-08-10-02-05 proximity probe

06 330930-065-01-05 NSv extension cable

07 330902-00-90-10-01-05 armored proximity probe

08 330901-00-14-10-02-00 NSv proximity probe

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

Traceability and commissioning closeout

Confirm 149844-01, RK4 base and Proximitor assembly, mains selection, fuse, grounding, guards, coupling, direction, tachometer, slow-roll setting, remote command input and controlled overspeed/shutdown checks before use.

OFFICIAL MANUFACTURER SOURCE

RK 4 Model Rotor Kit Datasheet

141592 Rev. P

ENGINEERING RELEASE NOTE

Connect 149844-01 only to the documented RK4 motor and Proximitor assembly after confirming the selected mains voltage and fuse. Keep all safety covers installed, establish slow-roll operation first, then verify direction, tachometer indication and any remote +/-5 V command under controlled conditions.

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