FG320-SPEED

Tester for Overspeed Protection System

KEY FEATURES

- Signal generator for functional testing three-channel Overspeed Protection System BRAUN
- Special cable with three HARTING connectors for direct connection in the field
- Powered by an external 5V power source
- Two adjustable frequencies

Description & Application

The FG320-SPEED tester is a compact device designed for testing Overspeed Protection Systems with two speed levels, one primarily above the TRIP value and one above a speed level specified by the customer.

The FG320-SPEED is powered from an external 5V power source, which is part of delivery. Power bank use is possible.

The FG320-SPEED is a microcontroller-based device, which provides 2 pre-adjusted frequencies according to the specification.

Switching the output frequency from one to the second one is done using a two-position manual switch.

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Technical data

General:

Connection/power supply:	USB – Type B
Power consumption:	max. 400 mA
Dimensions:	175x115x30 mm
Weight:	0.2 kg
Operating temperature:	0 ÷ 40 °C

Speed mode (9-pin connector):

The output simulates the signal of Braun Hall-effect sensors.

Frequency range:	0,1 ÷ 20 000 Hz
Pre-adjusted frequencies:	acc. the specification
Resolution:	0,1 Hz
Accuracy:	+/- (0,1 % + 0,2 Hz)
Pulse symmetry:	~ 50 %
Max. voltage on pin -24 V:	-30 V against pin 0 V
Max. load of resistors of output circuit:	0.5 W/resistor

Package content

1x Hardware – FG320-SPEED
1x USB 2.0 Cable type A-B, length 3 m
1x Special cable with three HARTING connectors for direct connection in the field, length 2 m
1x Power supply adapter (input 100-240VAC, 50-60Hz, 0,15A; output 5VDC/1A, max. 5W)
1x Magnetic holder for easy attachment
1x Transporting case with soft filling

Optional accessories:

Order code	Description
FG320-CAL-SPEED	*Calibration certificate of speed output (function: SPEED)

*Calibrated by accredited laboratory.

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