

CHECKING APPARATUS MVO2

Description:

MVO2 check apparatus is used to measure the tripping speed of speed limiter of BTs, BTs-DUO, BT30 and other braking carriages, monorail locomotives and other traction vehicles for mine monorails.

It consists of air engine with gearbox and speed indicator. (For the items see the figure.)

1 - Air engine with gearbox (item 1) enables speed reversing (clockwise and anticlockwise rotating - item 3) and continuous speed control using control valve (item 2). It is fitted with connecting hexagon shank (item 4).

2 - Electronic speed indicator (item 5) is equipped with digital display and its external magnetic probe (item 6) enables stoppage and display of the maximum measured value.

Technical parameters:

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|------------------------|--------------------------|
| • Measuring range | 0 – 900 RPM |
| • Measurement accuracy | ±2% |
| • Hexagon shank | 8 mm |
| • Pressure air | max. 0,8 MPa |
| • Supply pressure air | Ø 10 mm |
| • Battery life | 24 month |
| • Weight | 1,4 kg |
| • Group and category | I M1 Ex ia I Ma / I M2 c |

Application:

- Connect the check apparatus to pressure air distribution line at the air supply point.
- Position the braking carriage / measured equipment so that the speed limiter can be freely turned.
- Magnetic probe holder is mounted so that the enclosed permanent magnets (item 7) on the trip lever located on the limiter worked for probe.
- Insert the connecting hexagon shank (item 4) into the speed limiter cover counterpart.
- Press the switch on the air engine and turn the control valve (item 2) to increase the speed smoothly until the speed limiter is activated (tripping speed). Select the rotation direction using lever (item 3).
- The tripping speed value will be permanently shown at the bottom of the speed indicator (item 5) display.

Note: The speed indicator (item 5) is equipped with battery saver and is activated only after pneumatic drilling machine (item 1) is started up. The battery must be replaced using the proper procedure (setting of correct measuring constant, resealing of electronic unit and calibration)!!!

