



SCIENTIFIC-PRODUCTION ENTERPRISE  
VIBROBIT LLC

26.51.66.133

**STAND СП20**

Certificate

**ВШПА.421412.061 ПС**

Rostov-on-Don  
2020

**SPE “VIBROBIT” LLC**

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SPE «Vibrobit» LLC reserves the right to replace individual parts and components without degrading the performance.

## 1 General

The stand СП20 is intended for calibration and tryout the eddy-current (induction) displacement sensors together with converters.

## 2 Main specifications

Main Specifications are given in Table 1.

Table 1 – Main specifications

| Parameter description   | Normal value            |
|---|-------------------------|
| Measuring range of longitudinal displacement, mm                            | from 0 to 120 inclusive |
| Measuring range of lateral displacement, mm                                 | from 0 to 25 inclusive  |
| Basic error of displacement setting, mm                                     | $\pm 0.02$              |
| Parallelity tolerance between the control sample and the sensor surface, mm | 0.2                     |
| Stand overall dimensions, mm  | 250x130x195             |
| Mass, kg, not more than   | 12                      |

### 2.1 Information about precious materials and nonferrous metals content

The item does not contain precious materials and nonferrous metals subject to accounting.

## 3 Delivery set

The stand СП20 delivery set is given in table 2.

Table 2 - Delivery set

| Item designation         | Item description               | Q-ty | Serial No. | Note    |
|--------------------------|--------------------------------|------|------------|---------|
| ВШПА.421412.061          | Stand СП20                     | 1    |            |         |
| ВШПА.421412.061.02       | Set of accessories, including: |      |            |         |
| ВШПА.421412.061.00.23    | Angle                          | 1    |            |         |
| ВШПА.421412.061.00.24    | Band                           |      |            | (40 mm) |
| ВШПА.421412.061.00.24-01 | Band                           |      |            | (55 mm) |
| ВШПА.421412.061.00.24-02 | Band                           |      |            | (65 mm) |
| ВШПА.421412.061.00.24-03 | Band                           |      |            | (80 mm) |
| ВШПА.421412.061.00.24-04 | Band                           |      |            | (45 mm) |
| ВШПА.421412.061.00.27    | Band                           |      |            | (20 mm) |
| ВШПА.421412.061.00.27-01 | Band                           |      |            | (25 mm) |
| ВШПА.421412.061.00.27-02 | Band                           |      |            | (30 mm) |
| ВШПА.421412.061.00.27-03 | Band                           |      |            | (35 mm) |
| ВШПА.421412.061.00.27-04 | Band                           |      |            | (10 mm) |
| ВШПА.421412.061.00.27-05 | Band                           |      |            | (27 mm) |
| ВШПА.421412.061.00.27-06 | Band                           |      |            | (33 mm) |

Table 2 (continued)

| Item designation         | Item description                              | Q-ty | Serial No. | Note    |
|--------------------------|---|------|------------|---------|
| ВШПА.421412.061.00.27-07 | Band  |      |            | (23 mm) |
|                          | Mounting kit:<br>Screw M6*25 DIN 84           | 2    |            |         |
|                          | Dial-type indicator ИЧ10                      | 1    |            |         |
|                          | Dial-type indicator ИЧ50                      | 1    |            |         |
|                          | <u>Operational publications:</u>              |      |            |         |
| ВШПА.421412.061 ПС       | Stand СП20. Certificate                       | 1    |            |         |
| ВШПА.421412.061 РЭ       | Stand СП20. Operations and Maintenance Manual | 1    |            |         |

#### 4 Transportation and storage

The stand in the package withstands transportation to any distance by road and rail (in enclosed vehicles), water transport (in ship holds), air transport (in pressurized compartments).

Transportation conditions - Ж according to ГОСТ 25804.4–83.

The stand in the package withstands the impact of the following transport factors:

- temperature from minus 50°C to plus 50°C;
- relative humidity of 95% at 35°C;
- vibration (acting along the three mutually perpendicular axes of the container) when transported by railway, motor vehicle and aircraft within the frequency range (10 – 55) Hz at the vibration displacement amplitude of 0.35 mm and vibration acceleration of 5g;
- impacts with the shock acceleration peak value of 10g, shock pulse duration 10 ms, number of impacts (1000 ± 10) in the direction indicated on the container.

The stand storage as to environment climatic aspects influence should comply with the conditions 3 (Ж3) as per ГОСТ 15150–69. Storage period shall not exceed 24 months from the date of manufacturing.

Long-term storage of the stand shall be carried out in the packaging, inside the heated premises as per 1 (Л) according to ГОСТ 15150–69.

#### 5 Manufacturer's warranty

Manufacturer guarantees the stand compliance with specifications when observing operation, storage and transportation conditions.

Guaranteed shelf life is 24 months since manufacturing.

Guarantee service life is 24 months since placed into service, but not more than 48 months since manufacturing date.

If the stand is sent to Manufacturer for warranty repair, it is necessary to state the detected failure.

