

Verification of static electricity protection of the workstation for compliance with IEC 61340-5-1:2016.

- 1. Object of verification:** Workstation Type H 1500 x 700 mm
- 2. Customer:** Robtools SMT Sp. z o.o. ul. Dobrzyńska 6, 85-189 Bydgoszcz
- 3. Date of verification:** 15.03.2024
- 4. Test Method:** IEC 61340-2-3:2016 Methods of test determining the resistance and resistivity of solid materials used to avoid electrostatic charge accumulation
- 5. Environmental conditions:** Temperature (19,1-21,8) °C. Humidity (30÷40) %
- 6. Test equipment:** Resistance meter complies with IEC 61340-2-3 – Metriso B530 SN: GC0836.

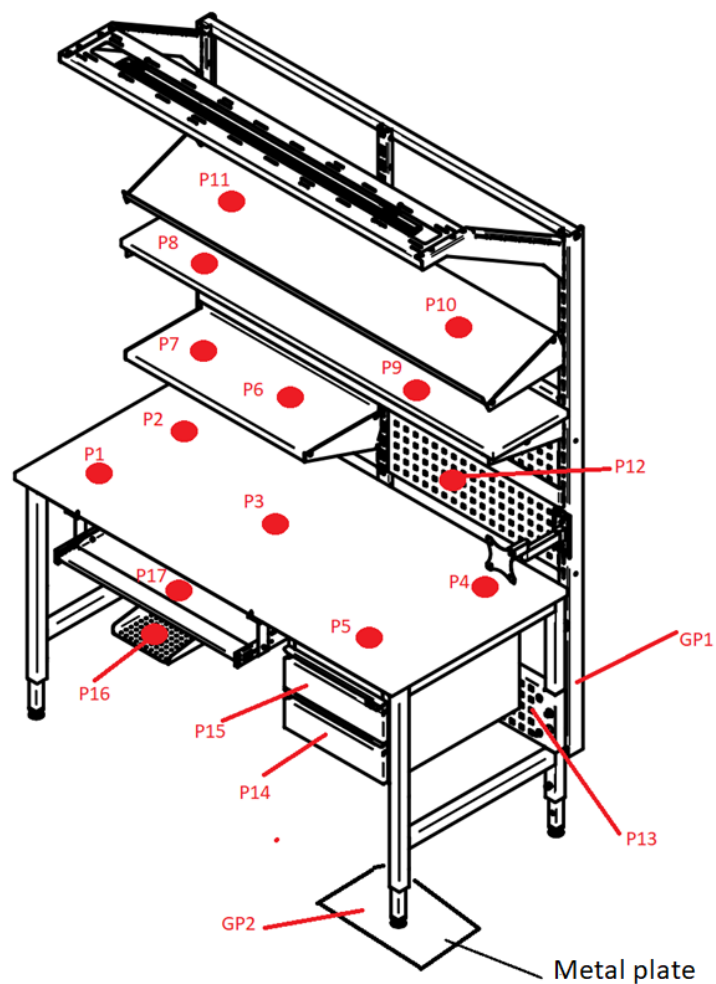
Calibration date: 29.01.2024. Calibration due date: 29.01.2026

7. Measurement results:

a) Resistance to Groundable Point (GP)

Measurement point	Result Rgp. [GP1]	Result Rgp. [GP2] - Grounding via the conductive floor
P1 - Worksurface	3,4 MΩ	4,4 MΩ
P2 - Worksurface	4,3 MΩ	4,9 MΩ
P3 - Worksurface	3,7 MΩ	3,0 MΩ
P4 - Worksurface	4,1 MΩ	4,6 MΩ
P5 - Worksurface	3,9 MΩ	3,5 MΩ
P6 - Shelf	10,7 kΩ	160,4 kΩ
P7 - Shelf	23,5 kΩ	24,2 kΩ
P8 - Shelf	12,3 kΩ	12,3 kΩ
P9 - Shelf	11,5 kΩ	11,4 kΩ
P10 - Shelf	34,3 kΩ	34,6 kΩ
P11 - Shelf	22,1 kΩ	22,3 kΩ
P12 - Board	180,1 kΩ	177,4 kΩ
P13 - Board	172,5 kΩ	175,0 kΩ
P14 - Drawer	51,3 kΩ	53,4 kΩ

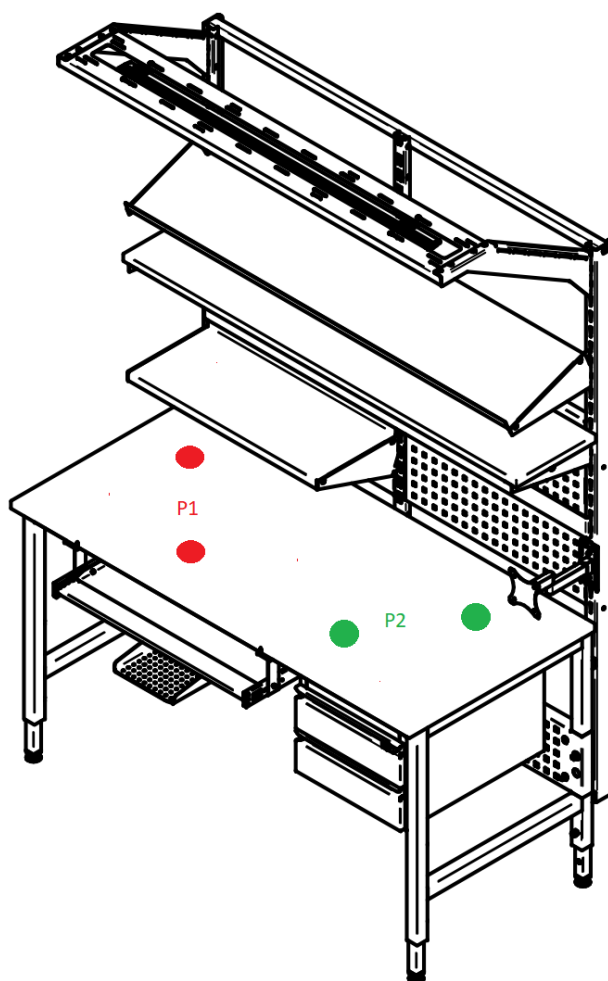
P15 - Drawer	56,2 k Ω	55,3 k Ω
P16 - PC Shelf	130,3 k Ω	141,2 k Ω
P17 - Keyboard Shelf	94,2 k Ω	96,8 k Ω



Picture 1 Identification of measurements points - R_{gp}

b) Resistance between Two Locations on Top of Surface (Point to Point)

Measurement Point	Result R _{p-p}
P1	24,7 M Ω
P2	21,3 M Ω



Picture 2 Identification of measurements points Rp-p

8. Conformity assessment

The object of verification **meets** the requirements of protection against static electricity in accordance with the IEC 61340-5-1:2016

Checked by: Certified ESD Coordinator M.Sc. Wojciech Brzeski

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