



# SM-UYA 3.5Y Susceptometer

WL-101-1083

More information on the website  
[mirror.radwag.com/en/info,w1,9UL](http://mirror.radwag.com/en/info,w1,9UL)



The drawings, photos and graphics used are for illustrative purposes only.

## Datasheet

| Metrological parameters         |                                |
|---------------------------------|--------------------------------|
| E1 Calibration Range            | 2 g – 50 kg                    |
| E2 Calibration Range            | 2 g – 50 kg                    |
| F1 Calibration Range            | 2 g – 50 kg                    |
| F2 Calibration Range            | 2 g – 50 kg                    |
| Maximum capacity [Max]          | 50 kg                          |
| Readability [d]                 | 0.1 µg                         |
| Standard repeatability [5% Max] | 0.15 µg                        |
| Standard repeatability [Max]    | 0.35 µg                        |
| Stabilization time              | 10 s                           |
| Adjustment                      | internal (automatic)           |
| Calibration Range               | 2 g – 50 kg                    |
| Distance platform Z0            | 20; 27; 43 mm                  |
| Magnetizing field strenght      | 2000, 800, 200 A/m             |
| Physical parameters             |                                |
| Display                         | 10" graphic colour touchscreen |

| Physical parameters               |   |
|-----------------------------------|---|
| Weighing pan dimensions           | ø300 mm   |
| Device dimensions                 | 525×350×250 mm  |
| Packaging dimensions              | 950×750×750 mm  |
| Net weight                        | 26 kg   |
| Gross weight                      | 36 kg   |
| Dipole moment of magnets          | ≤ 0.1 Am <sup>2</sup>   |
| Communication interface           |   |
| Communication interface           | 2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot |
| Environmental conditions          |   |
| Operating temperature             | +15 – +30 °C  |
| Operating temperature change rate | ±0.5 °C / 12 h (±0.3 °C / 4 h)                                |
| Relative humidity                 | 40% – 60%   |
| Relative humidity change rate     | ±2% / 4 h   |
| Construction                      |   |
| Housing                           | ABS plastic   |
| Components and software           |   |
| Processor                         | 2×1 GHz   |
| Memory                            | RAM 256 MB DDR2, 16GB – microSD                               |

**Repeatability** is expressed as a standard deviation determined for 6 ABBA cycles. Standard deviation is experimentally determined under ambient conditions for calibration of E1 class mass standards specified in OIML R111 (Table C.1.) document.

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## Accessories (Additional Fee)

RFID Tags  
 Antivibration Tables  
 Additional modules  
 Protective cover for balances

THBR 2.0 System - Ambient Conditions Monitoring  
 RS 232, RS 485 cables  
 Receipt Printer  
 Fingerprint Reader

## Software (Additional Fee)

• RMCS System Network Management of Calibration Process [WX-010-0048]