

# MOISTURE ANALYZER MA 3Y



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Moisture analyzer is a laboratory measuring instrument intended to determine relative moisture content in samples of different substances. **MA 3Y** features 5,7" LCD colour touch panel which provides new possibilities of instrument's operation and presenting measurement results. It features extended databases containing programmable drying modes related to the database of samples. MA 3Y series enables printing and exporting charts presented on its display to a BMP file.

### Highlights of moisture analyzer MA3Y series:

- accuracy of moisture content readout 0,0001%
- heating components: halogen, IR emitter or a heater in metal housing,
- graphic presentation of drying result, charts:  $\Delta m$ , %M, %D, %R,
- drying profiles: standard, mild, step, quick
- finish mode: AUTO 1 – 5, manual, automatic, time defined
- database of drying procedures: ~1000 records for each data type
- database of samples
- interfaces: 2 x USB 2.0; 4IN / 4OUT; RS 232; Ethernet 10/100Mbit.



**2 years warranty period**

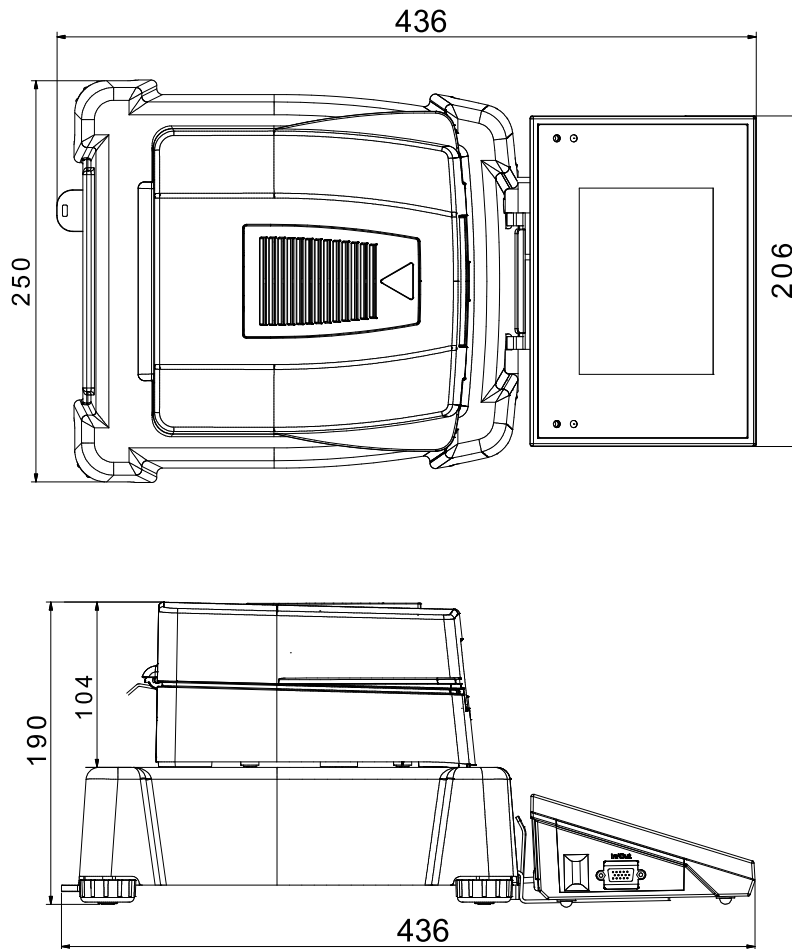
Personalization of instrument's settings is carried out in extended user profiles. Level control is based on LevelSENSING system, RADWAG patented solution, which uses a system of an electronic level. Standard and user defined printouts allow for maintaining documentation complying with GLP/GMP requirements practically in any application.

## Technical data:

|                                     | MA 60.3Y.WH  | MA 200.3Y.WH |
|-------------------------------------|--|--------------|
|                                     | MA 60.3Y.NH  | MA 200.3Y.NH |
|                                     | MA 60.3Y.NP  | MA 200.3Y.NP |
|                                     | MA 60.3Y.NS  | MA 200.3Y.NS |
| Max capacity                        | 60 g   | 200 g        |
| Reading unit                        | 0,1 mg   | 1 mg         |
| Tare range                          | -60 g  | -200 g       |
| Max sampling mass                   | 60 g   | 200 g        |
| Accuracy of moisture readout        | 0,0001 %   | 0,001 %      |
| Repeatability of moisture readout   | +/-0,24% (sample < 2g), +/-0,06% (sample 2÷10g), +/-0,04% (sample > 10g)                     |              |
| Maximal height of the tested sample | h= 20 mm   |              |
| Pan size                            | ø 90 mm, h= 8 mm   |              |
| Range of drying temperature         | max. 160° C (NH, NS and NP version), max. 250° C (WH version)                                |              |
| Heating module                      | halogen (NH and WH version), IR emitter (NP version), a heater in metal housing (NS version) |              |
| Power of heating device             | 400 W  |              |
| Drying modes                        | 4 drying modes (standard, quick, step, mild)   |              |
| Auto switch off options             | 3 modes (manual, automatic, time defined)  |              |
| Additional functions                | sample identification, drying diagram  |              |
| Working temperature                 | +10° ÷ +40 °C  |              |
| Power suply                         | 220÷240 V AC, 50÷60 Hz   |              |
| Display                             | LCD 5,7" with touch panel  |              |
| Interface                           | 2 x USB 2.0, 4 Inputs / 4 Outputs, RS 232, Ethernet 10/100Mbit                               |              |
| Net weight/Gross weight             | 6 / 10 kg  |              |
| Packaging size                      | 595 x 395 x 420 mm   |              |

**NH** - halogen, max. 160° C   **WH** - halogen, max. 250° C   **NP** - IR emitter, max. 160° C  
**NS** - a heater in metal housing designed for food-processing industry, max. 160°C

## Dimensions:



## Additional equipment:

|   |  |
|---|--|
| Antivibration table for laboratory balances | Computer Software: PW-WIN 2005, RAD-KEY 2000         |
| Kafka thermal printer                       | Control Thermometer GT105k-12                        |
| Dot matrix Epson printer                    | Disposable Weighing Pans                             |
| Label printer Citizen                       | Mass Standard  |
| PC USB keyboard                             | Cable RS 232 (scale - Kafka printer) "P0136"         |
| Antistatic cable PA1                        | Cable RS 232 (scale, Epson, Citizen printer) "P0151" |