

# MOISTURE ANALYZER PMR

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## Direct access to information

It is possible to access functions and databases directly, using keyboard soft keys.

**Database** – access to databases

**Function** – access to basic functions

**F1 and F2** – programmable function keys and menu navigation keys

**Reports** – access to database of drying process reports

**Profile** – access to parameters settings

**Sample** – access to products database

Moisture analyzer is a laboratory measuring instrument intended to determine relative humidity for small samples of different materials. PMR series redefines moisture analyzers standards.

This series has been equipped with brand new readable LCD display providing an extra text line for information such as supplementary messages and data, e.g. product name or tare value. The moisture analyzer, using respective pictograms, signalizes currently activated mode, computer connection and functions, both balance and service ones.

The PMR series is enriched with various interfaces: RS232, USB type A, USB type B and Wifi as an option. The moisture analyzer is housed in a plastic casing.

## DATABASES

Information system of R series moisture analyzers is based on 6 databases, allowing many operators to operate product database comprising many samples. Collected measurements may be subjected to subsequent analysis.

Collected data is registered in 6 databases:

- Users (up to 100 users)
- Products (up to 1000 products)
- Weighments (up to 1000 weighments)
- Tares (up to 100 tares)
- Programs (up to 100 drying programs)
- Drying process reports (up to 1000 reports)

Exchange of information within the system is performed by means of USB port on bi-directional basis. It is possible to import and export databases using memory sticks.

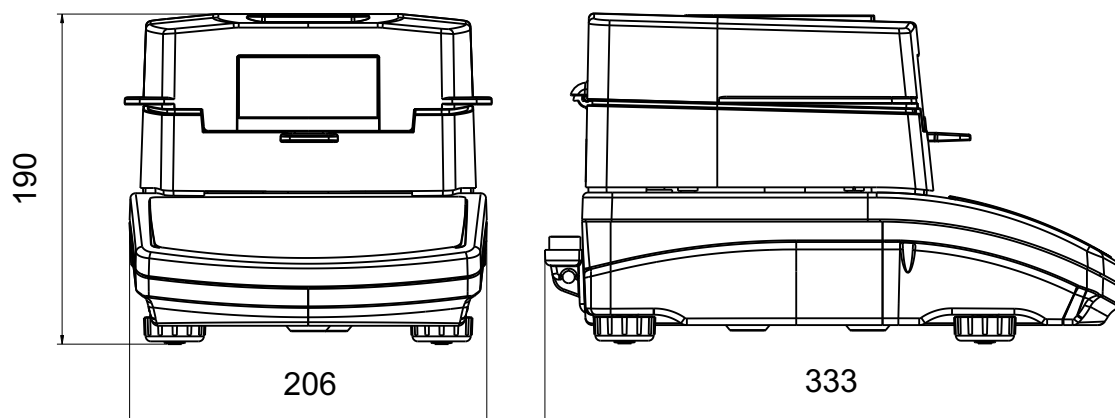
## Technical data:

|                                     | PMR 50/1/NH  | PMR 50/NH | PMR 110/NH | PMR 210/NH |
|-------------------------------------|--|-----------|------------|------------|
| Max capacity                        | 50 g   | 50 g      | 110 g      | 210 g      |
| Reading unit                        | 0,1 mg   | 1 mg      | 1 mg       | 1 mg       |
| Tare range                          | -50 g  | -50 g     | -110 g     | -210 g     |
| Max sampling mass                   | 50 g   | 50 g      | 110 g      | 210 g      |
| Accuracy of moisture reading        | 0,0001 %   | 0,001 %   | 0,001 %    | 0,001 %    |
| Moisture readout repeatability      | 0,1% (for a sample with weight of about 2 g), 0,02% (for a sample with weight of about 10 g) |           |            |            |
| Maximal height of the tested sample | h= 20 mm   |           |            |            |
| Pan size                            | ø 90 mm, h= 8 mm   |           |            |            |
| Range of drying temperature *       | max. 160° C  |           |            |            |
| Heating module **                   | IR emitter   |           |            |            |
| Drying modes                        | 4 drying modes (standard, quick, step, mild)   |           |            |            |
| Auto switch off options             | 4 modes (time, defined, automatic, manual)   |           |            |            |
| Additional functions                | sample identification  |           |            |            |
| Working temperature                 | +10° ÷ +40 °C  |           |            |            |
| Power supply                        | 110 ÷ 240V AC, 50÷60 Hz  |           |            |            |
| Display                             | LCD (backlit)  |           |            |            |
| Net weight / Gross weight           | 4,9 / 6,4 kg   |           |            |            |
| Packaging dimensions                | 470×380×336 mm   |           |            |            |

\* Moisture analyzer available with upgraded maximum drying temperature to 250°C

\*\* Optional heating module: WH -halogen (max= 250°C); NS - metal heater (max= 160°C)

## Dimensions:



## Additional equipment:

|  |   |
|--|---|
| Anti-Vibration Table (coated or stainless steel) | GT105k-12/Z Control Thermometer                         |
| EPSON Printer                                    | Adjustment Weight                                       |
| Disposable Weighing Pans                         | PW-WIN, RAD-KEY PC Software                             |
| PC Keyboard                                      | Calbe RS 232 (balance - computer) "P0108"               |
| Water Vapour Permeability Determination Set      | Cable RS 232 (balance - Epson, Citizen printer) "P0151" |