

## Technical Specifications

### Metrological Specifications

Maximum capacity	2500 g
Application range	0 – 2500 g
Readability	0.1 mg
Repeatability, optimal <sup>1)</sup>	0.05 mg
Repeatability, standard E <sup>2)</sup>	0.1 mg
Repeatability, E <sup>1/10</sup> load <sup>2)</sup>	0.07 mg
Repeatability standard, F <sup>3)</sup>	0.3 mg
Electronic weighing range and tare range	2500 g
Linearity	1 mg
Eccentric load deviation	30 µg   mm
Stabilization time	3 s
Cycle time, ABBA in s	90 s

### Basic Equipment

Interfaces	RS232C   USB   LAN
isoCAL	✓
Draft shield	✓
Application programs	Basic weighing, mass unit conversion, individual identifiers, density determination, statistics
Below-comparator weighing port	✓
Air temperature sensor	✓
Air humidity sensor	✓
Air pressure sensor	✓
PC connecting cable	USB

### Ambient Conditions

Permissible operating temperature range	10–30 °C
Recommended operating temperature	22 °C
Temperature fluctuations	0.3°C/h   0.5°C/12h
Max. air current	< 0.2 m/s
Humidity range	40 – 70 %
Humidity fluctuations	5%   4 h
Power supply	100 – 240 V AC/50 – 60 Hz
Power consumption	< 35 VA

### Dimensions

Weighing pan diameter	136 × 136 mm
Sample size (D × H)	130 × 200 mm
Weigh cell (W × D × H)	240 × 276 × 373 mm
Electronic unit (W × D × H)	239 × 320 × 56 mm
Net weight	15 kg
Gross weight	22.5 kg
Number of packages	1
Packaging data 1	83 × 45 × 59 cm
Optimal height for setup	800 mm

### Applications

OIML R111, class E1	1 – 2 kg
OIML R111, class E2	200 g – 2 kg
OIML R111, class F1	50 g – 2 kg
OIML R111, class F2	2 g – 2 kg
OIML R111, class M1	
OIML R111, class M2	
OIML R111, class M3	
ASTM E617, class 0	300 g – 2 kg
ASTM E617, class 1	100 g – 2 kg
ASTM E617, class 2	50 g – 2 kg
ASTM E617, class 3	20 g – 2 kg
ASTM E617, class 4	
ASTM E617, class 5	
ASTM E617, class 6	

Optional Accessories	
External calibration weight	2 kg   E2 YCW622-00
Climate module, uncalibrated, for all MCM models	YCM20MC
Calibration of a YCM20MC climate module with DAkkS calibration certificate	YCM20DAkkS
Climate module with DAkkS calibration certificate for all MCM models	YCM20MC-DAkkS
Optional draft shield	YDS24C
Weighing table	YWT03

The standard deviation "s" is the repeatability calculated from 5 ABA cycles under the following conditions:

- 1) Optimal conditions: automatic measurement without operator influence measured in a laboratory under E1 conditions, on a decoupled weighing stone no drafts from above
- 2) Standard conditions E: measured by hand in a laboratory under E1 conditions, on a decoupled weighing stone; no drafts from above
- 3) Standard conditions F: measurement performed manually in a laboratory under at least F1 conditions, on a non-decoupled weighing stone, air conditioning and minimal drafts from above