MEASURING QUALITY. SINCE 1796

KRÜSS

MELTING POINT METERS
AUTOMATIC MELTING POINT DETERMINATION – ACCURATE, FAST AND RELIABLE

MADE IN
GERMANY

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MELTING POINT METER M3000

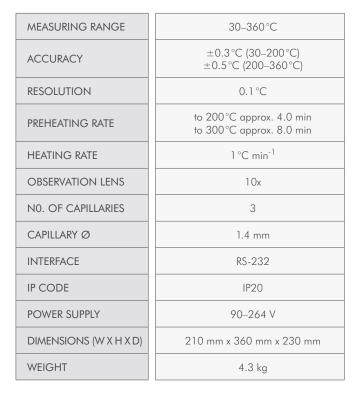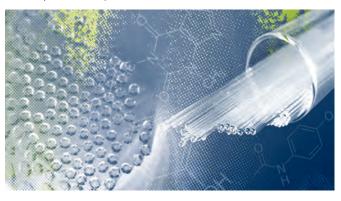## M3000

The M3000 provides fast and easy examination of powdery substances with a melting point up to 360 °. Due to the triple capillary intake, it is possible to analyse three samples within one measurement run. Thanks to the preheating rate and the integrated fan cooling, fast measurements are possible in any temperature range. The display provides a well-arranged readout of all important measuring data.

YOUR ADVANTAGES

- Semi-automatic measurement by means of 10x magnification optics
- 3 capillary intakes
- LCD display
- Monitoring of the illuminated sample via lens
- Fast cooling through integrated fan
- Digital display of all important data
- Display in German or English
- With RS-232 interface for printer CBM910
- Easy-to-clean membrane keypad
- Includes protective cover and 100 capillaries (small sample volume)

MEASURING RANGE	30–360 °C
ACCURACY	±0.3 °C (30–200 °C) ±0.5 °C (200–360 °C)
RESOLUTION	0.1 °C
PREHEATING RATE	to 200 °C approx. 4.0 min to 300 °C approx. 8.0 min
HEATING RATE	1 °C min^{-1}
OBSERVATION LENS	10x
N0. OF CAPILLARIES	3
CAPILLARY Ø	1.4 mm
INTERFACE	RS-232
IP CODE	IP20
POWER SUPPLY	90–264 V
DIMENSIONS (W X H X D)	210 mm x 360 mm x 230 mm
WEIGHT	4.3 kg

M5000

M5000

The M5000 provides fast, easy and automatic examination of powdery substances with a melting point up to 400 °C. Due to the automatic determination of the melting point, an objective measurement result is always guaranteed. The high preheating rate and the integrated fan cooling allow fast and reliable measurements in any temperature range. The display provides a well-arranged readout of all important measuring data.

YOUR ADVANTAGES

- Fully automatic measurement by means of transmission optics
- 1 capillary intake
- LCD display
- Alarm signal when reaching the melting point
- Fast cooling through integrated fan
- Digital display of all important data
- Display in German or English
- With RS-232 interface for printer CBM910
- Easy-to-clean membrane keypad
- Includes protective cover and 100 capillaries

MEASURING RANGE	25–400 °C
ACCURACY	±0.3 °C (25–200 °C) ±0.5 °C (200–400 °C)
RESOLUTION	0.1 °C
PREHEATING RATE	to 200 °C approx. 4.0 min to 300 °C approx. 9.0 min
HEATING RATE	1 °C min^{-1}
NR. OF CAPILLARIES	1
CAPILLARY Ø	1.4 mm
INTERFACE	RS-232
IP CODE	IP20
POWER SUPPLY	90–264 V
DIMENSIONS (W X H X D)	220 mm x 150 mm x 340 mm
WEIGHT	4.1 kg

ORDER NUMBER	CALIBRATION STANDARDS
KSPS1011	Vanillin melting point standard (USP Reference Standard) - 81 – 83 °C
KSPS1012	Phenacetin melting point standard (USP Reference Standard) - 133 – 136 °C
KSPS1013	Sulfanilamide melting point standard (USP Reference Standard) - 164 – 166 °C
KSPS1014	Caffeine melting point standard (USP Reference Standard) - 234 – 236.5 °C
KSPS1015	Vanillin melting point standard (Pharmaceutical Secondary Standard) - 81 – 83 °C
KSPS1016	Phenacetin melting point standard (Pharmaceutical Secondary Standard) - 133 – 136 °C
KSPS1017	Sulfanilamide melting point standard (Pharmaceutical Secondary Standard) - 164 – 166 °C
KSPS1018	Caffeine melting point standard (Pharmaceutical Secondary Standard) - 234 – 236.5 °C

ISO 9001
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