MEASURING QUALITY. SINCE 1796

KRÜSS
A.KRÜSS OPTRONIC
G E R M A N Y

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

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QUALITY SYSTEM CERTIFICATION
DNV.GL
ISO 9001

ENVIRONMENTAL SYSTEM CERTIFICATION
DNV.GL
ISO 14001

www.kruess.com

With this instrument, powdery substances with a melting point up to 400 °C can automatically be examined.
A fan cooling allows fast measurements in every range of temperature.
The display provides a clearly-arranged readout of all important measuring data.

M5000

KSP1D

With this instrument, powdery substances with a melting point up to 360 °C can visually be examined in capillaries.
A fan cooling allows fast measurements in every range of temperature. The display provides a clearly arranged readout of all important measuring data. KSP1D is equipped with a printer.

Features

- Fully automatic measuring instrument
- Digital temperature control via LCD-display
- Sealed keyboard for easy cleaning
- Alarm function when reaching the melting point
- Digital display of all important data
- Display in German and English
- Automatic quick cooling by integrated fan
- Inclusive instrument protective cover and 100 melting point tubes
- With RS-232 interface for printer CBM910

Features

- Digital temperature control
- Sealed keyboard for easy cleaning
- Error status in plain language (English/German)
- Short instruction on the instrument (English/German)
- Sample control by illuminated magnifier
- 3 capillary intakes
- Automatic quick cooling by integrated fan
- KSP1D with internal thermo printer
- With RS-232 interface for printer CBM910

Specifications

Measuring range:	25 – 400 °C
Resolution:	0.1 °C
Accuracy:	± 0.3 °C (25 – 200 °C)
	± 0.5 °C (200 – 400 °C)
Reproducibility:	± 0.2 °C
Preheating rate:	up to 300 °C approx. 4.0 min
	up to 400 °C approx. 7.5 min
Heating rate during measurement	1 °C min^{-1}
Capillary-Ø:	1.4 mm
Capillary intake:	1
Interfaces:	RS-232
Safety class:	IP 20
Power supply:	90 – 264 V
Dimensions in mm (BxHxT):	220 x 150 x 340
Weight:	approx. 1.8 kg

Specifications KSP1D

Measuring range:	30 – 360 °C
Resolution:	0.1 °C
Accuracy:	± 0.3 °C (30 – 200 °C)
	± 0.5 °C (200 – 360 °C)
Heating rate:	1 °C min^{-1}
Observation lens:	10X
Capillary-Ø	1.4 mm
No. of capillary tubes:	3
Interfaces:	RS-232
Safety class:	IP20
Power supply:	90 – 264 V
Dimensions in mm (BxHxT):	230 x 320 x 210
Weight:	2.3 kg

Specifications KSP1N

- Same as KSP1D but without internal printer
- With RS-232 interface for printer CBM910