

Kett

SCIENCE OF SENSING

Paper Moisture Tester HK-300 series



Paper moisture tester Model HK-300 series

Instant moisture measurement for the paper quality control

Paper moisture tester is indispensable for quality control of paper mill. Also, in the printing process, it is required to have appropriate degree of moisture absorption to prevent printing quality and breakage during paper feed. Moisture is one of important quality control items even in the paper pipe factory and corrugated processing. HK-300 series can measure various kinds of paper such as craft paper, liner paper, copy paper, cardboard base paper. Selectable a sensor from 3 types that the grip sensor (HK-300-1), conductive rubber sensor (HK-300-2), constant pressure sensor (HK-300-3) depending on the object to be measured.

• Supports 3 type of sensors

The grip sensor with HK-300-1 is handheld type and less the personal error. The rubber sensor with HK-300-2 is easy to use and no limit on the paper thickness. The pressure sensor with HK-300-3 is desktop type and measurable to low moisture content.

• Able to compensate for moisture values

Able to compensate for moisture values in the range from -9.9 to +9.9% with respect to each calibration curve.

• Can record a maximum of 10 user calibration curves (scaled)

Able to compensate for moisture values in the range from -9.9 to +9.9% with respect to each calibration curve.

• Auto power off

If no measurement is made or key is operated for approximately 5 minutes, the power is automatically shut off and avoids wasting the batteries.

• Alarm setting

Set any moisture value, and an alarm will sound if the measured moisture value is higher than the set moisture value.

■ Carrying case of accessories



HK-300-1

HK-300-2

HK-300-3

■ Specifications

Measurement method	Electrical Resistance Method
Calibration curves	Kraft paper, Liner board, Copy paper, Cardboard
Applications	Kraft paper, Liner board, Copy paper, Cardboard, etc*
Standard method	JIS P8127 (copy paper, cardboard)
Measurement range	Grip sensor (HK-300-1): Copy paper, 4-15% / Cardboard, 6-20% Conductive rubber sensor (HK-300-2): Copy paper, 4-25% / Liner board, 6-23% / Kraft paper, 5-24% Constant pressure sensor (HK-300-3): Copy paper, 2-10% / Liner board, 5-15% / Kraft paper, 2-10%
Measurement precision	Standard error 0.4% (at 15% moisture or less)
Display	Digital (LCD, smallest displayed unit 0.1%)
External output	RS-232C, USB, TCP/IP
Power source	6x 1.5V ("AA" size Alkaline), approx 0.45W
Dimensions and weight	Main Unit: 110(W)x210(D)x50(H)mm, 0.5kg Grip sensor: 40(W)x225(D)x105(H)mm, 0.82Kg Conductive rubber sensor: 40(W)x40(D)x125(H)mm, 0.3Kg Constant pressure sensor: 100(W)x310(D)x250(H)mm, 2.5Kg
Accessories	Carrying case, Shoulder strap, 6x1.5V batteries ("AA" size Alkaline)
Options	Printer VZ-330 (incl. cable VZC-26), Data logger KDL-01

* Calibration curves are different depending on paper type and thickness. Some subjects may not show accurate moisture.

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