



NIR Moisture Meter

Model KJT-130

Handheld Model



The first-ever battery operated moisture meter

The world's first rechargeable battery operated portable moisture meter enables measurements where no AC power is available. The instrument requires a 6.8 volt DC source. A battery compatible with the Sony 8mm video Handycam(tm) can be used.

Distance indicator

A unique and easily used system is employed to determine the measuring distance from the instrument to the object. Two light sources are used, a red and a white. When the red circle of light (10mm) is within the white circle (25mm) then the instrument is 150mm from the object and at the correct measuring distance.

Simple analytical curve selection

Five different analytical curves can be programmed into the F1 through F5 keys. At the touch of an F button the appropriate curve is selected.

Storage of up to 99 readings

The instrument will store up to 99 moisture measurements in nonvolatile memory. Even removing power will not cause memory loss. Also stored are the time the readings were taken and the actual absorbance data.

Small and light

The unit is lightweight (1.1kg) and compact, easily carried to the measurement site. It can be mounted on a standard tripod or other available support accessories.

Data hold function

A Simple button press will keep the last measurement made on the display until the sampling mode button is pressed. In normal on-line applications, measurements can be continuously displayed.

Optional parts list		
Model	Model name	Description
KJT-130-CBL	RS-232C cable	One-side D-SUB25P-M
KJT-130-ADC	AC adapter	DC6V
KJT-130-FDP	Hood extension	150mm when mounted
KJT-130-PRT	Thermosensitive printer	4 size "AA" dry-cell batteries
KJT-130-RSP	Printer cable	
KJT-130-BAT	Battery pack	6V, 2400mAH
KJT-130-PC	PC software	NEC PC-9801

Specifications

Measurement distance	150mm±25mm
Measurement diameter	ø25mm (150mm)
Measurement distance indication	The red LED beam falls on the circumference of the measurement beam.
Response time	2 seconds
Display refresh cycle	0.2 seconds
Number of analytical curves	50
Display	LCD with back light
Display character	Alphanumeric characters, symbols
External communications	RS-232C, Equivalent to Hirose MX30-6P-C.
External output data	Measured data Analytical curve data Input data for analytical curve calculation
External connecting devices	Dedicated printer (one-way communication) IBM PC compatible (two-way communication)
Power source	DC6.8V, 2A (steady state)
Mounting screw for fixing	3/8-inch standard mounting screw
Ambient temperature	10 to 30°C (temperature compensation range)
Ambient humidity	0 to 80%RH (without condensation)
Dimensions	210 (W) x 102 (D) x 172 (H) mm
Weight	Net 1.1kg / Shipment 3.0kg
Accessories	Battery (1), Carrying case, Hood with zero adjustment plate AC100V to 240V Charger, Strap