

PORTABLE HYGROMETER

TK-100 - Model YN

- Fully calibrated at TEKHNE factory
- Innovative Al₂O₃ technology
- Measuring range : -100 ~ +20 dp
- Accuracy : ± 2 °Cdp
- Compact Size, Light Weight
- Long Battery Life
- Easy Connection to sampling line
- Simple Operation



Overview

The Hygrometer TK-100 Model YN is a battery-powered portable instrument. It is suitable for the field measurements where electrical power is inconvenient or the multiple-points measurements. TK-100 Dew Point Transmitter is set inside of the instrument for the measurement from -100 °Cdp to +20 °Cdp, at an accuracy of ± 2 °Cdp.

TK-100 Transmitter

The core measurement tool for Model YN is TK-100 Dew Point Transmitter, manufactured by TEKHNE Corporation, Japan. TEKHNE Ceramic Sensor is designed to secure the best mixture of accuracy, high response speed and long term stability. Most advanced technology is used for this purpose.

Also, the advanced microprocessor technology realized temperature compensation mechanism, which minimizes the effect by process temperature to the dew point measurement.

Portability

Model YN is small, by 160 x 88 x 180 mm, and light weighted at 2 kg. It is developed based on the customers' voice; "easily bring it on business trip by train or by air".

Power

Model YN contains re-chargeable batteries inside of the instrument. The battery makes the instrument work for 15 hours, by 8 hours charge time. You can also use it continuously over 24 hours, by AC adaptor drive.

Easy to Use

One of the most important features for such instruments is how easily users start operation. Model YN needs only 3 steps for measurement, those are; Charge the battery, connect the line and press start button. So the product does not choose users, but users choose the product, right now.

Options

- 6 mm or 1/4" OD Pipe Connection
- Sampling Set (Starter Kit A)
 - including Filter, Needle Valve and Flow Meter
- Aluminum Carrying case

Technical Specifications

Measurement range -100 to +20°Cdp
Accuracy ±2 °Cdp
Analog output 4~20 mA
Power supply AA batteries x4 or
 AC adaptor (accessory)

Operating Conditions:

Temperature 0 to +50 °C
Pressure Up to 1 MPa
Flow Rate 1 to 10 L/min
Humidity 35 to 85%RH

Storage Conditions:

Temperature -10 to +60 °C
Humidity 35 to 85%RH

Display 3.5 digit LED

Charge time 8 hours

Run time 15 hours

Weight 2 kg

Size 160 W x 88 H x 180mm D

Sample Connection

6 mm Swagelok pipe connection

Dimensions

