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Thermo／Humidity Recorders

4-CHANNEL DIGITAL THERMO METER (Data Logger Built-in Type)

Order No.	Model No.	Specification	Measuring Range (℃)	JPY	Ref.No
2-1960-01	MT-309	Body	−200～+1370	¥ 38,000	045140
2-1960-11	TPK-01	Type-K Beaded Thermocouple Sensor	−30～+200	¥ 1,100	045160
2-1960-12	TP-11	Sheathed K Thermocouple Sensor	−50～+800	¥ 9,800	045160
2-1960-23	MTLP-41	Type-K Thermocouple Sensor for Surface	−20～+400	¥ 5,800	045160
2-1960-14	TW-09012U2	AC Adapter	−	¥ 4,400	045160

■ **Specification** ● Resolution : 0.1℃ (0～200)、1℃ (other than those listed) ● Body Accuracy : −200～+200℃・400～1370℃／± (0.3% rdg + 1℃)、200～400℃／± (0.5% rdg + 1℃) ● Sensor : Type-K Thermocouple ● Sampling : 3times/second ● Function : Data Logger (max.16000 data)・Data Hold Function・Temperature Deviation・Max.／Min. Value Display・Auto Power-off・Low Battery Display ● Interface : USB ● Applicable OS : Windows®XP/Vista®/7 ● Power Supply : 006P (9V) Battery × 1 (included for testing) or AC Adapter (sold separately) ● Body Dimensions : 64×30×184mm ● Body Weight : approx.320 g (including battery)

■ **Accessories** ● Type-K Beaded Thermocouple Sensor TPK-01×2 ● RS232C Cable ● Dedicated Software ● Carrying Case

■ Temperature

MT-309   MTLP-41   TP-11   TPK-01

■ **Feature** ● 4-channel measurement and display at the time is possible. ● Saves up to 16000pieces of data.

HANDY DATA LOGGER   JP

Order No.	Model No.	Type	Weight (g)	JPY	Ref.No
1-9255-01	MR2041-U	Inner Memory	approx.300	¥ 75,000	045175
1-9255-02	MR2041-MU	External Memory	approx.320	¥ 84,000	045175

■ **Specification**
● Input Point V : 4points ● Input Kind : Multi-range／Thermocouple (K・E・J・T)、DC Voltage (dedicated adapter exclusively sold is required.)、DC Current (dedicated adapter exclusively sold is required.)
● Measuring Range : Thermocouple／−200.0～1370.0℃ (K)、DC Voltage／0～5V DC、DC Current／0～20mA DC ● Accuracy : Thermocouple／ ± (0.1 % + 0.3 ℃ of measured value) ※Measured Value−100 ℃ or more、DC Voltage／± (0.1% + 0.2% of range) ※Ambient Temperature : at 23℃±3℃
● Applicable OS : Windows®98/Me/2000/XP/Vista®/7 (32bit)
● Dimensions : 70×33×159mm ● Power Supply : AA Battery×4p ((ncluded for testing) or AC Adapter (included・AC100～240V)

■ **Accessories**
● Wall Hanging Holder ● Backup Power Supply Replacement Adapter

■ Temperature

■ **Feature**
● 4-channel input is possible at the same time by multi-range input.
● Possible to save, graph, tabulate and print out data by connecting to PC.

THERMO RECORDERS

Order No.	Model No.	Specification	Measuring Range (Temperature/ Relative Humidity)	JPY	Ref.No
1-3447-01	HD2101.2K	Body (data logger type)	−200～+650℃ /0～100% RH	¥ 129,400	045170
1-3447-02	HD2301.0	Body		¥ 45,100	045170
1-3447-11	HP473ACR	Probe (Pt100)・for Gas Phase Measurement	−20～+80℃ /5～98% RH	¥ 50,300	045170
1-3447-12	HP474ACR	Probe (Pt100)・Long Type	−40～+ 150℃/5～98% RH	¥ 51,400	045170
1-3447-13	HP475ACR	Probe (Pt100)・Pricking Type	98% RH	¥ 91,400	045170
1-3447-14	AC-PTS-12V	AC Adapter		¥ 5,000	045170

※ Probe is not supplied to the body.

■ **Feature**
● Possible to calculate absolute humidity, dew point, water vapor partial pressure, temperature-humidity indexs. ● HD2101.2K can sent measurement data to printer, and PC in real-time. ● HD475ACR is possible to measure, such as plastic pellet-shaped grains and granular.

■ **Specification**
● Resolution : Temperature／0.1℃、Relative Humidity／0.1% RH
● Accuracy : Temperature／ ±0.1 ℃ (body)、Relative Humidity／ ±0.1 % RH (body) ● Function : REL (deviation measuring)・Hold・with Auto Power-off
● Power Supply : HD2101.2K／AA Battery × 4pieces (included for testing) or AC Adapter (sold separately)、HD2301.0／AA Battey × 3pieces (included for testing) ● Dimensions : Body／90×40×180mm (HD2102.2K・excluding projection part)・88×38×140mm (HD2301.0)、Probe Senser／ φ14×120mm (HP473ACR)・ φ14×215mm (HP474ACR)・ φ14×560mm (HP475ACR)、Probe Cable Length／2m ● Dust/Waterproof : IP66
● Measuring Interval : 1～3600seconds (1hour) ● Memory : 38000 data
● Interface : USB (CP23) ● Applicable OS : Windows®98/2000/XP/Vista®/7

HD2101.2K   HD2301.0

HP473ACR

HP474ACR

HP475ACR

■ Temperature and humidity