Water Proof Data Logger

Genuine !

Reliable Quality !

Electronic recording device for temperature, humidity and shock
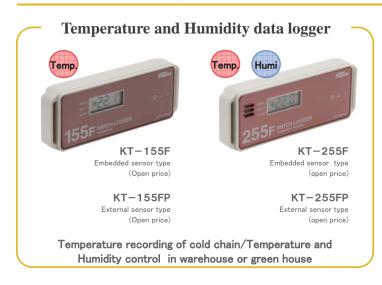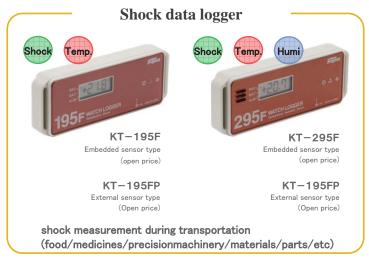
Actual size

◆ Water proof structure that can stand even if it is dropped in the water(patent pending). Humidity measument type is now released that has never been so far!

◆ Conforms NFC communication standard, which is international standard correspondence- Available for airplanes!

Temperature and Humidity data logger

Temp.

KT－155F
Embedded sensor type
(Open price)

KT－155FP
External sensor type
(Open price)

Temp. | Humi

KT－255F
Embedded sensor type
(open price)

KT－255FP
External sensor type
(open price)

Temperature recording of cold chain/Temperature and Humidity control in warehouse or green house

Shock data logger

Shock | Temp.

KT－195F
Embedded sensor type
(open price)

KT－195FP
External sensor type
(Open price)

Shock | Temp. | Humi

KT－295F
Embedded sensor type
(open price)

KT－195FP
External sensor type
(Open price)

shock measurement during transportation
(food/medicines/precisionmachinery/materials/parts/etc)

Just putting it closer to the reader for setting, sampling, recording and checking

"PaSoRi"

"FeliCa" Port PC

"FeliCa"SmartPhone／tablet

NFC communication reader **"PaSoRi" RC－S330／S** are available from us

NFC communication — NFC stands for Nar Field Communication . It is international communication standard that is operable in overseas. FeliCa standard or "SuiCa" and "Edy" that are used in Japan as electronic money also satisfy the same standard.

Software   Free software for data graph display and report generation are available for download

Graph display screen

Automatic data reading is available by putting a logger above the reader. Maximum value, minimum value, average value other than transitive value can be displayed on the screen.

Report of recording certificate

Sampling data can be printed in report format. The data can be also stored in CSV format so that it can generate an original report.

◆ **For smartphone／tablet**

Search download "WATCH_LOGGER" from GooglePlay store.

Easily visualize consistent temperature variation, Shock generation during transportation and storage.

Model		KT－155F/155FP	KT－255F/255FP	KT－195F／195FP	KT－295F／295FP
Appearance					
Sampling item		Temperature	Temperature/Humidity	Shock/Temperature	Shock/Temperature/Humidity
Sampling range	Temperature	−40℃〜80℃/−40℃〜120℃	−40℃〜80℃/−40℃〜120℃	−40℃〜80℃/−40℃〜110℃	−40℃〜80℃/−40℃〜110℃
	Humidity	—	5%〜90%	—	5%〜90%
	Shock	—	—	±5G〜±75G	±5G〜±75G
Resolution	Temperature	0.1℃	0.1℃	0.1℃	0.1℃
	Humidity	—	1%	—	1%
	Shock	—	—	1G	1G
Accuracy	Temperature	±0.3℃	±0.3℃	±0.3℃	±0.3℃
	Humidity	—	±5%	—	±5%
	Shock	—	—	±15%	±15%
Sampling capacity	Temperature	16,000 samples	16,000 samples	14,000 samples	14,000 samples
	Humidity	—	16,000 samples	—	14,000 samples
	Shock	—	—	XYZ each axis 2,000sample	XYZ each axis 2,000samples
Sampling interval		1〜255 min. interval（Shock is recorded whenever it is sensed）			
Examples of sampling interval calculation (30 min. sampling interval)		330days	330days	60days（No Shock）	60days（No Shock）
Battery	Type	CR2477		CR2477	
	Life	2 years		60 days	
Water proof structure ※		IP67	IP67 filter used	IP67	IP67 filter used
Dimension		90（W）×34（H）×15（D）㎜			
Weight		About 45g			
Corresponding reader		NFCcommunication （USBconnection reader "PaSoRi"・"FeliCa"port PC , "FeliCa"Smartphone ／ tablet			

●Operational temperature range ±0.3℃ (-10℃〜+50℃), ±0.5℃ (-40℃ 〜-10℃/+50℃ 〜+80℃), Average±0.5℃ (+80℃〜+110℃)
●Battery life depends on usage. Please use this information as reference. ※External sensor type(KT-155FP/255FP/195FP/295FP)has a waterproof performance by IP54.
●WATCHLOGGER (Watch Logger) is a registered trade mark of Fujita Electric Works, Ltd. ●Felica and PaSoRi are registered trade mark of SONY Corporation.
●Official SONY PaSoRi models are RC-S360/S, RC-330/S.   ●Operational environment, OS:Windows/XP/Vista/7, CPU: Pentium 200Mhz or more, CD-ROM drive and USB port.
●Specifications in the catalogue are subject to change for improvement without prior notice.   ●There may be some color differences between actual product and catalogue due to finish of the printing.
●AndroidoOS 4.03 or more   ●NFC-F equipped with   ●BluetoothVer2.1 or more   ●3G or WiFi&equipped access point   ●display resolution HD（1280※720)or （1920※1080)