

TAMAPod Mini-Logger Series

Handheld, Compact, and Lightweight Data Logger,
Easy to Operate



TAMAPod AQUA Water Level Gauge



TAMAPod PULSO Pulse Recorder

TAMAPod LLUVIA Rain Gauge



Starts recording automatically as soon as SD card is inserted.

LCD display, simple operation using only 3 keys – UP/DOWN/ENTER.

Records directly on the SD card.
Records data as CSV file, directly on the SD card.
CSV-file data can be processed using a spreadsheet application, such as Microsoft Excel.

Simple connection using an attachable/detachable connector. The attachable/detachable connector, for connection with a water level gauge, makes things easy for making installations on site.

Uses a size AA battery. In an effort to minimize energy consumption, operation was made possible using a size AA battery. The AA battery can be procured locally, at convenience stores, discount stores, and other places, which keeps running costs low. Also, there is a built-in feature for monitoring remaining battery, by which the user will know, at a glance, when the battery should be replaced.

TAMAPod AQUA Water Level Gauge



TAMAPod AQUA

Specifications on the Water Level Sensor

Pressure Ranges	1.75m, 10m, and 20m in H ₂ O (water); guaranteed resistance to pressure: 400% of full scale (FS)
Output Voltages	20mV for 1.75m depth; 30mV for 10m depth; 50mV for 20m depth in H ₂ O, using standard sensor
Measurement Accuracy	±0.1% of FS
Operating Temperatures	0 ~ +70
Cables	30-meter cable as standard; 50-meter and 100-meter cables are optional.
Dimensions and material (Detector part only)	24mm diameter () / 85mm in length / stainless steel (SUS)

Specifications on the Data Logger (AQUA)

Input	1 channel
Sensor compatible to AQUA	Water level sensor using semi-conductor gauge
Measurement Ranges	0 ~ 1.75m, 0 ~ 10m, 0 ~ 20m
Smallest Unit of Display	1mm
Extra Features	Water level offsetting feature
Recording Intervals	Selectable from any of the following: 1 ~ 6, 10, 12, 15, 20, 30 minutes; 1 ~ 4, 6, 8, 12, 24 hours
Recording Media	SD memory card, multi-media card (MMC), compatible to FAT32 up to 2GB
Recording Capacity	Depends on the capacity of memory card used. Approx. 60 million data using a 2GB memory card.
Recording Method	Direct recording on memory card: CSV file
Built-in Clock	Within ±30 seconds per month (under temperatures of 0 ~ +50)
Clock-Adjustment Feature	Adjustment feature of daily loss/gain of the built-in clock
Display	LCD, 16 digits on 2 lines, with backlight
Operation Keys	3 operation keys consisting of UP, DOWN, and ENTER; measurement will start when SD memory card is inserted.
Operating Temperatures	-25 ~ +60
Batteries	2 AA-size dry cells (alkaline dry cells)
Life Span of Battery	When set to 1-minute interval: 60 days (when temperature is 20) When set to 10-minute interval: 1 year; when set to 1-hour interval: 2 years (when temperature is 20)
Battery Meter	Shows amount of battery left on the display
Dimensions, Exterior	120x65x17mm, excluding all protrusions

TAMAPod PULSO Pulse Recorder



TAMAPod PULSO

Specifications

Input Signal	1 channel, with no voltage contact
Pulse Width	0.1 second or more
Input Signal	1.0 second or more between pulses
Max. Withstand Input Voltage	30V
Recording Method	Recording based on time (records the time of pulse input -- year, month, day, hour, minute, second, battery voltage e.g., 090301121010,3.6)
Recording Media	SD memory card, multi-media card (MMC), compatible to FAT32 up to 2GB
Recording Capacity	Depends on the capacity of memory card used. Approx. 60 million data using a 2GB memory card.
Recording Format	CSV file
Built-in Clock	Within ± 30 seconds per month (under temperatures of 0 ~ +50)
Clock-Adjustment Feature	Adjustment feature of the built-in clock going too slow or too fast.
Display	LCD, 16 digits on 2 lines, with backlight
Operation Keys	3 operation keys consisting of UP, DOWN, and ENTER; measurement will start when SD memory card is inserted.
Operating Temperatures	-25 ~ +60
Batteries	2 AA-size dry cells (alkaline dry cells)
Life Span of Battery	Approx. 1 year (when temperature is 20)
Battery Meter	Shows amount of battery left on the display
Dimensions, Exterior	120x65x17mm, excluding all protrusions

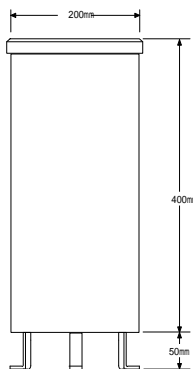
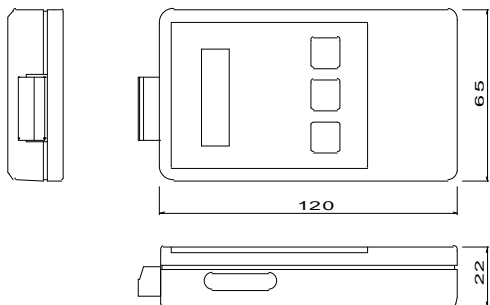
TAMAPod LLUVIA for Rain Gauges Tipping at 0.5mm Increments



TAMAPod LLUVIA

Specifications

Input Signal	1 channel, with no voltage contact
Pulse Width	0.1 second or more
Input Signal	1.0 second or more between pulses
Max. Withstand Input Voltage	30V
Recording Method	Recording by adding up intervals
Recording Intervals	Selectable from any of the following: 1 ~ 6, 10, 12, 15, 20, 30 minutes; 1 ~ 4, 6, 8, 12, 24 hours
Recording Media	SD memory card, multi-media card (MMC), compatible to FAT32 up to 2GB
Recording Capacity	Depends on the capacity of memory card used. Approx. 60 million data using a 2GB memory card.
Recording Format	CSV file
Built-in Clock	Within ± 30 seconds per month (under temperatures of 0 ~ +50)
Clock-Adjustment Feature	Adjustment feature of the built-in clock going too slow or too fast.
Display	LCD, 16 digits on 2 lines, with backlight
Operation Keys	3 operation keys consisting of UP, DOWN, and ENTER; measurement will start when SD memory card is inserted.
Operating Temperatures	-25 ~ +60
Batteries	2 AA-size dry cells (alkaline dry cells)
Life Span of Battery	Approx. 1 year (when temperature is 20)
Battery Meter	Shows amount of battery left on the display
Dimensions, Exterior	120x65x17mm, excluding all protrusions



PULSO, LLUVIA Rain Gauges

Specifications

Detecting Method	Tipping bucket type
Orifice Diameter	200mm; tips at 0.5mm increments
Accuracy	Better than ± 0.5 mm for rainfall of 20mm or less; Better than $\pm 3\%$ for rainfall of 20mm or more
Point of Contact	Reed switch
Measurement Range	Max. 150mm per hour
Dimensions/Weight	210mm diameter x 450mm / 3.5Kg

All the technical data and information contained herein are subject to change without prior notice.

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