

Level Memory PW

Features 1. Immersion-type 2. For paddy fields and irrigation channels

- System consisting of an immersion-type water level meter and a 1-channel data logger. Data is transferred to a PC using a data collector.
- Atmospheric correction is not required because atmospheric pressure is released via the vent filter of the waterproof casing housing the water level meter cable and logger.
- Lightweight, compact, and environmentally robust for high-accuracy measurement
- Exchangeable batteries enable long-term measurement.
- Ideal for water level observation for paddy fields and irrigation channels



Specifications

Water level meters	Model	PPV-010KP-01-CN
	Rated pressure	1mH ₂ O (10kPa)
	Overpressure	2mH ₂ O (20kPa)
	Cable length	1m (standard) extensible
	Materials	Diaphragm : SUS316L O-ring : Fluororubber Cable : Vinyl Cap, case, and connector : Plastic Shrinkable tube: Polyolefin
	Electrical characteristic	Power supply : 8 ~ 15V Output : 1 - 5V
	Accuracy (linearity)	± 0.3%F.S. (± 0.2%F.S.)
	Temperature characteristic	Zero temperature characteristics : ± 0.01%F.S. (0 ~ 60°C)
Weight	Main unit : Approx 130g Cable : Approx 65g/m	
Data loggers	Model	LM-2
	Number of input channels	1 channel
	Measurement performance	Resolution : mm/cm 1/1000 of the input voltage (standard)
	Measurement interval	1 to 30 seconds 1 to 60 minutes
	Recording mode	The instantaneous value is recorded / statistics recording (Instantaneous, maximum, minimum, and average for each interval)
	Recording count	Instantaneous value : 60,000 times Statistics : 15,000 times (Instantaneous, Maximum, Minimum, Average)
	Record retention time	2 start operations (from start to stop)
	Preheating function	OFF / 0.5 / 1 / 2 / 5 / 10 / 30 / 60 seconds setting
	Measurement start/stop function	Immediate / setting the reserved time
	Display	LCD measured value (Voltage), record state, Interval, battery level, number of recorded data etc.
Output adjustment function	Zero point adjustment with multi-turn trimmer	
Case	Waterproof plastic casing IP66 78 (W) × 126 (H) × 75 (D) mm Weight : Approx. 500g	
Atmospheric relief	Vent filter	
Power supply	For water level gauge : 006P Type 9-V alkaline battery: 2 Life expectancy: approximately 6 months Logger : AA alkaline battery: 1	
Operating temperature	- 20 to 70°C (no freezing allowed)	
Data retrieval	Infrared optical communication, communication adapter LR5091, and data collector LR5092 are used.	

A data collector (to be purchased separately)

LR5091	Connect the data collector to both the data logger and PC to transfer data. 83 (W) × 61 (H) × 19 (D) mm Weight : 43g
LR5092	Save the data of the data logger to the internal memory or SD card, and transfer the data to the PC using the SD card. AA alkaline battery: 2 91 (W) × 141 (H) × 31 (D) mm Weight : 215g Functions: Graph display, data list, data processing, scaling, printing, etc.
Accessories	USB cable (1m), LR5000 Utilities (CD-R)
Supported OS	Windows XP (SP2 or more) Vista (SP1 or more), 7

Uses

- Water level observation for irrigation channels
- Water level observation for paddy fields

System example

