

## Level Memory AW2

### Features 1.Immersion-type 2.Low-cost

- 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.
- Can be selected from a range of 2 m, 5 m, 10 m, 30 m, and 50 m.
- Lightweight, compact, and environmentally robust for high-precision measurement
- Exchangeable batteries enable long-term measurement.
- Ideal for water level and volume research for small hydroelectric power plants



### Specifications

Water level meters	2m instrument	0 to 2m	Model : HM-980-02-10-CN
	5m instrument	0 to 5m	Model : HM-980-05-10-CN
	10m instrument	0 to 10m	Model : HM-980-10-10-CN
	Cable length	10m (standard) ; extensible up to 200 m	
	Materials	Main unit : SUS316, Fluororubber, POM Cable : Vinyl	
	Electrical characteristic	Power supply : 8 to 12V Output : 1 - 5V	
	Accuracy (linearity)	± 0.3%F.S. (± 0.2%F.S.)	
	Temperature characteristic	Zero temperature characteristics : ± 0.015%F.S. ( - 2 to 30°C)	
External dimensions	Main unit : $\phi$ 29.5 × 190 Weight : Approx 220g Cable : $\phi$ 7 Weight : 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	
	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

- Long-term water level observation for wells and groundwater
- Water level observation for brook
- Water level observation for lakes, and reservoirs
- Water level observation for irrigation channels
- Water level observation for paddy fields

### System example

