

## Level Memory 4CH

### Features 1.Immersion-type 2.4-channel type

- System consisting of an immersion-type water level meter and a 4-channel data logger. Text data is transferred to a PC via USB memory.
- 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.
- A desired model can be selected from a range of 2 m to 50 m for highly accuracy measurement.
- The measurement data is displayed in meters with a direct reading method. It is possible to set the display and measurement of the water level from the datum line.
- Exchangeable AA batteries enable long-term measurement.
- The backup function is supported.



### Specifications

Water level meters	2m instrument	0 to 2m	Model : HM-230-02-30-CN
	5m instrument	0 to 5m	Model : HM-230-05-30-CN
	10m instrument	0 to 10m	Model : HM-230-10-30-CN
	20m instrument	0 to 20m	Model : HM-230-20-30-CN
	30m instrument	0 to 30m	Model : HM-230-30-30-CN
	50m instrument	0 to 50m	Model : HM-230-50-50-CN
	Cable length	30m (standard) ; extensible up to 200 m	
	Materials	Main unit : SUS316, Fluororubber, POM Cable : Polyurethane	
	Electrical characteristics	Power supply : 6 to 12V Output : 1 - 3V	
	Linearity	± 0.2%F.S.	
Temperature characteristics	Zero temperature characteristics : ± 0.01%F.S. ( - 2 to 30°C)		
External dimensions	Main unit : $\phi$ 29.5 × 190 Weight : Approx 300g Cable : $\phi$ 8 Weight : Approx 65g/m		
Data loggers	Model	AQ-5000	
	Number of input channels	4 external input channels (water level × 4)	
	Measurement mode	Relative water level, temperature inside the main unit	
	Measurement performance	Less than 10-m meter Resolution : 1mm 10-m meter or more Resolution : 1cm	
	Measurement interval	1 to 60 minutes (to be set in 1-minute steps)	
	Recording mode	The instantaneous value is recorded.	
	Recording count	1 channel: 57,600 2 channels: 47,100 3 channels: 39,800 4 channels: 34,500	
	Record retention time	2 start operations (from start to stop)	
	Preheating function	1 to 30 seconds (to be set in 1-second steps)	
	Scale setting	1, 2, 3, 4, 5, 10, 20, 30, 40, 50, 100m (for each channel))	
	Automatic measurement start function	Measurement can be started automatically by setting the hour and minute.	
	Temperature measurement	Temperature inside the logger Resolution: 0.125°C	
	Display	16-digit or 2-digit backlit LCD	
	Output adjustment function	Zero point adjustment ± 50% of the full scale value	
	Case	Waterproof plastic casing IP66 135 (W) × 86 (H) × 190 (D) mm Weight: Approx. 1 kg	
Atmospheric relief	Vent filter		
Power supply	AA alkaline battery: 4 6 ± 0.4VDC		
Operating temperature	- 20 to 70°C (no freezing allowed)		
Data retrieval	USB memory		
Accessories	Waterproof connector cap: 4 AA alkaline battery: 4 USB memory: 1		

### Uses

- Long-term water level observation for wells and groundwater
- Water level observation for rivers
- Water level observation for dams, lakes, and reservoirs

### System example

