

HM-200 • HM-300



Features Immersion-type

- Pressure-type water level sensor with a stainless steel diaphragm
- Ideal for long-term water level observation for rivers, water channels, dams, wells, groundwater, etc.
- Meter lineup from 2 m to 50 m
- Water level measurement to an accuracy of millimeters possible
- Output signal of 1 to 5 VDC or 4 to 20 mADC from a built-in amplifier circuit
- Built-in arrester

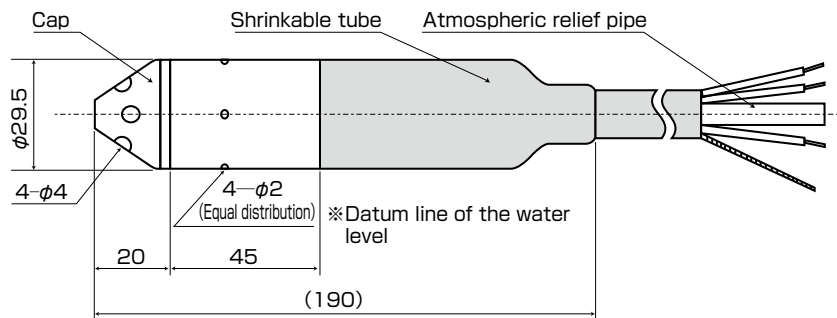
Specifications ※ 1

Model	HM-200						HM-300					
	-02	-05	-10	-20	-30	-50	-02	-05	-10	-20	-30	-50
Rated pressure	2mH ₂ O	5mH ₂ O	10mH ₂ O	20mH ₂ O	30mH ₂ O	50mH ₂ O	2mH ₂ O	5mH ₂ O	10mH ₂ O	20mH ₂ O	30mH ₂ O	50mH ₂ O
Overpressure	200% of the rated pressure						150% of the rated pressure					
Power supply	12 to 28VDC											
Output	1 to 5VDC						4 to 20mADC					
Current consumption	6mA or less						—					
Load resistance	1k Ω or more						600 Ω or less (at power of 24 VDC)					
Accuracy (linearity)	± 0.3% F.S. or less ※ 2 (± 0.2% F.S. or less)											
Temperature characteristics at zero degrees	± 0.01% F.S. /°C or less (– 2 to 30°C)											
Compensated temperature range	– 2 to 30°C											
Operating temperature range	– 10 to 50°C (no freezing allowed)											
Material	Diaphragm : SUS316L Main unit : SUS316 O-ring : Fluororubber Cap : Plastic Shrinkable tube: Polyolefin											
Sealing liquid	Silicone oil											
Cable	φ 8 polyurethane : 30m (standard) Shield + atmospheric relief pipe											
Tensile strength	300N (Between the main unit and cable)											
Insulation resistance	100M Ω or more / 500VDC											
Withstand voltage	500VAC, 1 minute											
Weight	Main unit : approx 300g Cable : approx 65g per meter											

※ 1. We also manufacture a water level sensor with a built-in temperature sensor (PT-100).

※ 2. We also manufacture high-accuracy pressure sensors (accuracy: ± 0.1% F.S. or less).

Dimensions (Units : mm)



Cables / wires

	HM-200	HM-300
Red	Power supply +	Power supply +
White	Output	Power supply –
Black	Common	—
Atmospheric relief pipe	Yes	Yes

Model

HM - 200 - 10 - 30

Type	Output mode	Measurement range	Cable length
200	Voltage output	02 : 2m	30 : 30m (standard)
210	Voltage output, With temperature sensor	05 : 5m	50 : 50m
240	Voltage output, 1-2V/6-12V	10 : 10m	100 : 100m
300	Current output	20 : 20m	
310	Current output, With temperature sensor	30 : 30m	
		50 : 50m	