

HM-220

Features 1.Immersion-type 2.Low power

- Water level sensor designed to operate on 3 to 5 VDC
- Low current consumption ideal for battery-powered sensors
- Pressure-type water level sensor with a stainless steel diaphragm
- Meter lineup from 2 m to 50 m
- Output signal of 0.1 to 1.1 VDC from a built-in amplifier circuit

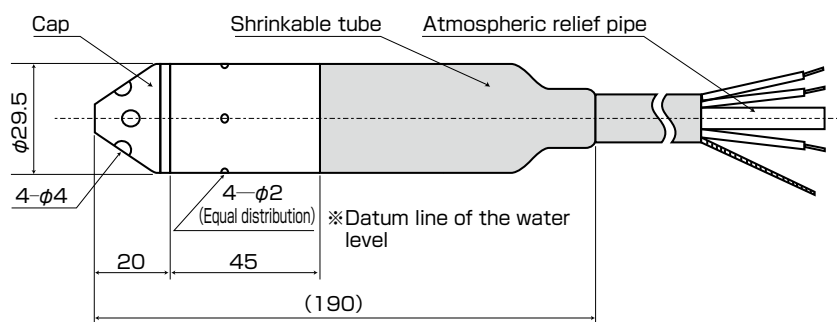


Specifications ※ 1

Model	HM-220					
	-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
Overpressure	200% of the rated pressure					
Power supply	3 to 5VDC					
Output	0.1 to 1.1VDC					
Current consumption	2mA or less					
Load resistance	1k Ω or more					
Accuracy (linearity)	± 0.3% F.S. or less (± 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).

Dimensions (Units : mm)



Cables / wires

	HM-220
Red	Power supply +
White	Output
Black	Common
Atmospheric relief pipe	Yes

Model

H M	-	2 2 0	-	1 0	-	3 0
Type		Output mode		Measurement range		Cable length
		220 : Voltage output, 0.1-1.1V/3-5V		02 : 2m 05 : 5m 10 : 10m 20 : 20m 30 : 30m 50 : 50m		30 : 30m (standard) 50 : 50m 100 : 100m