

# Quartz Type Water Level Gauge (RS485)



- High accuracy measurement with a quartz oscillator
- Easy to install on revetments and structures
- Easy maintenance
- Low consumption of electric current with RS485 output
- Wide measuring range



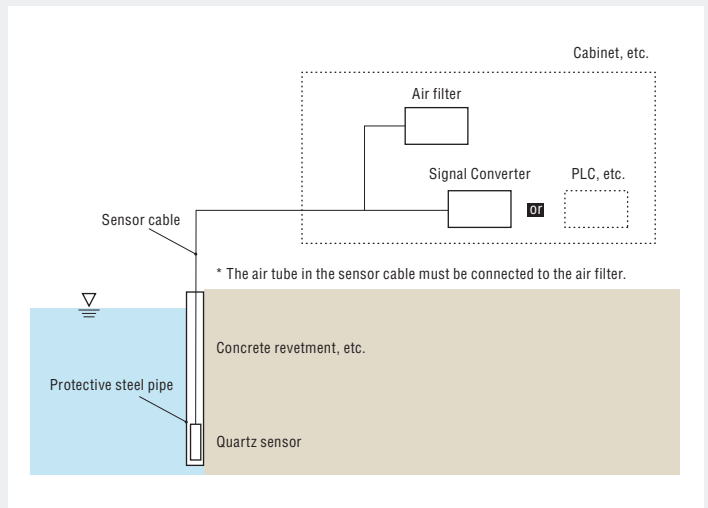
The water pressure, varied as the water level changes, is measured with a quartz oscillator, whose frequency signals are converted to the water level, output as RS485 serial signals. High accuracy measurement, without a conversion error caused by the secular change commonly seen in diaphragm  
A wide measurement range, from 10m to 70m, applicable not only to rivers but also to dams.

## Specifications

### ■ Quartz type water level gauge(RS485)

Model	QSM-10-R1(measuring range 0 to 10m) QSM-20-R1(measuring range 0 to 20m) QSM-30-R1(measuring range 0 to 30m) QSM-50-R1(measuring range 0 to 50m) QSM-70-R1(measuring range 0 to 70m)
Accuracy	±0.05%FS ±0.02%FS ±0.01%FS(QSM-70-R1 not allowed)
Temperature coefficient at 0 point	±0.0007% FS/°C
Temperature sensitivity coefficient	±0.0049% FS/°C
Overload resistance	120%FS
Output signal	RS485 signal
Calculation function	Water level calculation function Water level average calculation
Power supply	DC12V(10.5 to 16.5V)
Operating condition (temperature, humidity)	-10°C to +60°C (No freezing)
Material	SUS316L
Dimensions	280 x φ60 mm
Weight	Approx.3kg
Cable	Dedicated cable(Sensor to Junction box) Max.200m

### ■ Configuration diagram



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