TAKUWA

CPS Series

Pressure Type Water Level Gauge
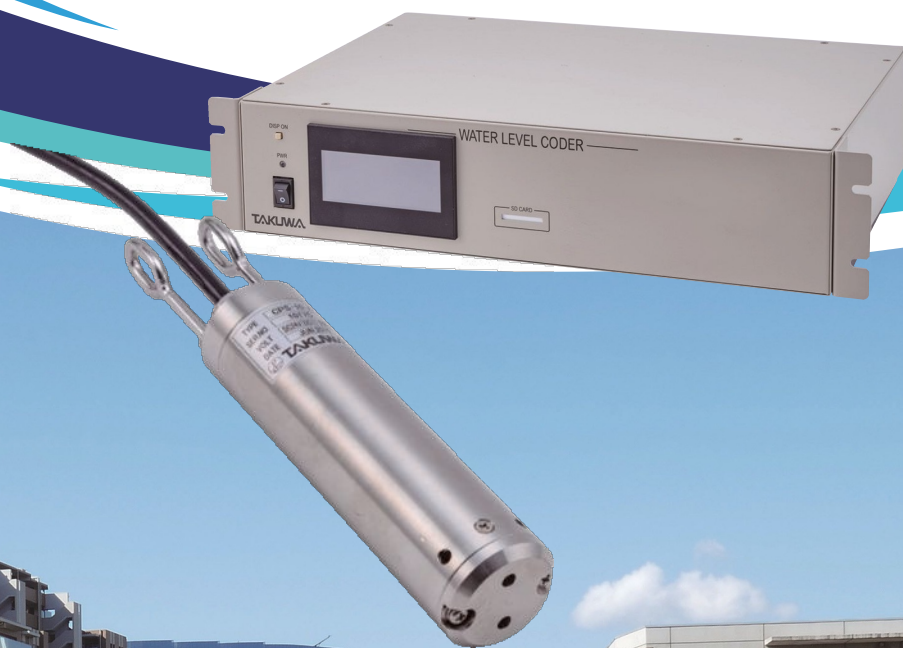
WATER LEVEL CODER

- Small and light, easy operation
- Built-in arrester
- Durable stainless steel
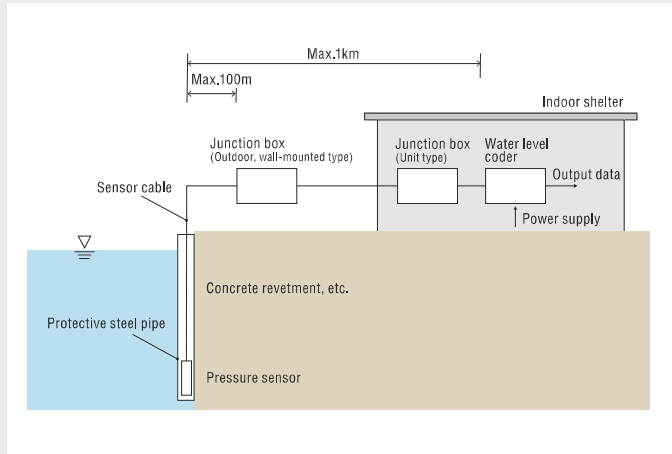
https://www.takuwa.co.jp/en/

A capacitance type water level gauge that detects the water pressure, varied as the water level changes, with the semiconductor (ceramic), whose electric signals are calculated to the water level.
The ceramic features excellent temperature characteristics, anti-vibration, and environment resistance.
The compact and light design also allows easy installation and maintenance.

Specifications

■ Pressure sensor

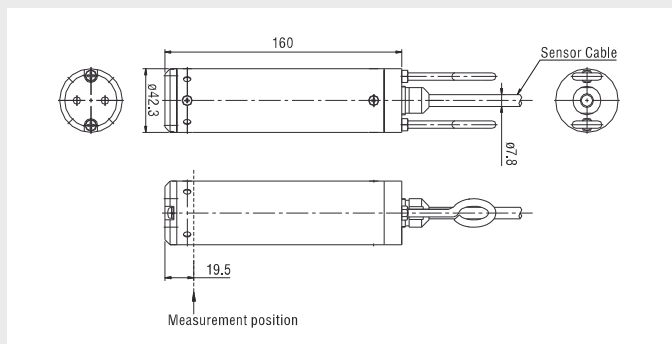|	
Model	CPS-04-A(measuring range 0 to 4m) CPS-10-A(measuring range 0 to 10m) CPS-20-A(measuring range 0 to 20m)
Accuracy	±0.2%FS(CPS-04-A) ±0.1%FS(CPS-10-A, CPS-20-A)
Overload resistance	200%FS
Output signal	DC4 to 20mA
Power supply	DC24V(11 to 26V)(supplied from the water level coder)
Operating condition (temperature, humidity)	-10°C to +60°C (No freezing)
Material	SUS316L or Titanium(for sea)
Dimensions	160 x φ42.3 mm
Weight	Approx.1kg
Cable	Dedicated cable(Sensor to Junction box) Max.100m

■ Configuration diagram

■ Water level coder

Model	WLC3-A□A□―□B□C□D□E□F□G□H□	
	A) Sensor input	1: 1 sensor, 2: 2 sensors
	B) Analog output	0: No, 1: 4 to 20mA, 2: 0 to 5V, 3: 0 to 10mV
	C) BCD output	0: No, 1: Yes 1 for each, 2= Yes 2 for each
	D) Comparison output	0: No, 1: Yes
	E) Printer	0: No
	F) SD card slot	0: No, 1: Yes
	G) Power supply	D1: DC12V, A1: AC100V
	H) Serial output	Blank: RS232C, R4: RS422
Display・Operation	LCD touch panel	
Processing functions	Average calculation 　None averaging 　Moving average　　20 sec, 1 min, 5 min, 　　　　　　　　　　10 min(every 1 sec) or (every 2 sec) 　Weighted average　5 sec, 10 sec, 15 sec (every 1 sec) Level setting 　-999.999m to +999.999m	
Input type	Ceramic resonator sensor(DC4 to 20mA)	
Number of input	2 channels(Max.)	
Power supply	Select from DC12V or AC100V 50/60Hz	
Dimensions	480W x 99H x 300D mm (excluding protruding parts)	
Weight	7kg or less	
Output	1) Analog output	2 channels at 1 input, select from 4 to 20mA, 0 to 5V or 0 to 10mV
	2) BCD output	2 channels(Max.) at 1 input, BCD output 5 digits with odd parity
	3) Comparative output	8 points at 1 input (A,B,C,D≦H or A,B,C,D≧H), Non-voltage A contact (Photo MOS relay output)
	4) Card recording	Recording media： SD card(Max. 2GB) Recording interval： No,1, 2, 5, 10, 15, 20, 30(min), 1, 2, 3, 6(hour) Recording capacity： 1 year or more(at 1 min recording)

■ Pressure sensor

■ Water level coder

TAKUWA

ISO 9001・ISO 27001
ISO 14001・ISO 45001
BUREAU VERITAS
Certification

UKAS
MANAGEMENT
SYSTEMS

0008
ISO27001 Scope of Application
Information System Group

2307-MS-300