

# ASP2002CWL

## Wireless Hydrostatic Pressure Level Transmitter

### I Product Introduction

ASP2002CWL wireless hydrostatic pressure level transmitter, based on the principle that the measured pressure is directly proportional to the liquid height, adopts the diffused silicon or piezoresistive effect of ceramic sensor to convert static pressure into standard (current or voltage) signal output. The sensor part can directly put into the water, while transmitter part can be fixed by flange or bracket, so it's easy to install.

ASP2002CWL is also a high-precision low power wireless communication meter that adopts high-capacity, high-energy lithium battery, radio frequency modules. And, equipped with our own ASC4000/ASC4001 data collection terminal, the host can read the data of wireless meter in the field in real time through USB or MODBUS interface. Without external power supply, it leaves out the conventional trouble for arranging local wires, largely saving manpower and construction costs, especially suitable for the place where power supply is unavailable but data transmission is needed, such as oil tank, river below the ground, cesspools, flood, etc.



### II Performance Specifications

Power supply: 3.6V Lithium battery

Accuracy: 0.25%F.S

Ambient temperature: -25°C ~ 60°C

Frequency band: 470MHz ~ 510MHz

RF transmitted power: 17dBm

RF received power: -105dBm

Power consumption: Peak current ≤ 100mA

Static current ≤ 100uA

Wireless delivering distance: 300~1500m(open area)

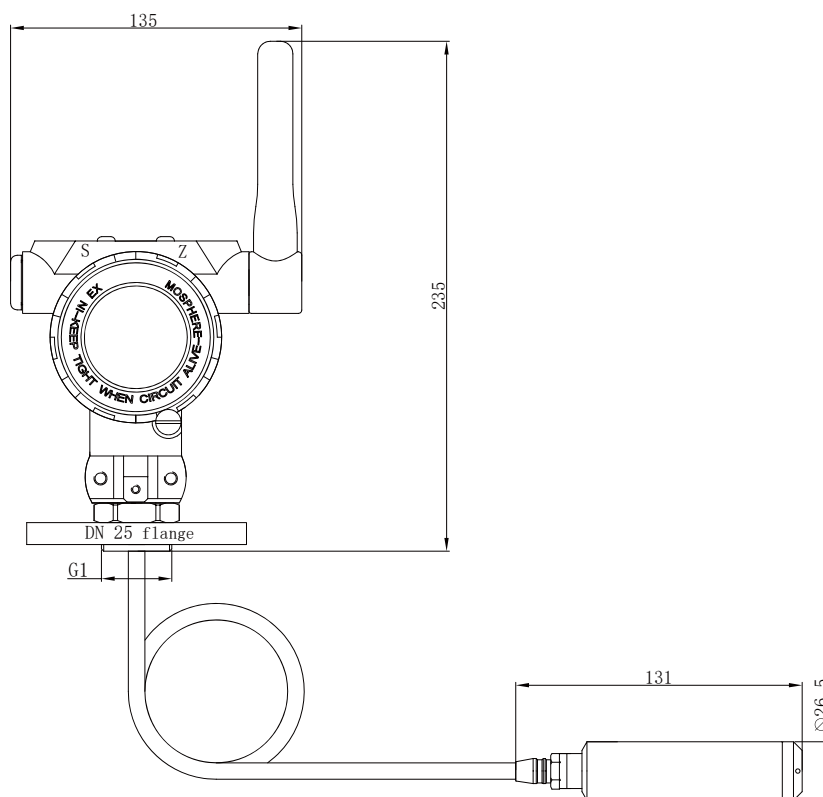
Lifespan: 1~2 years

Ingress Protection: IP68

### III Application In PLC Systems



## IV Structural Drawing



ASP2002CWL outline dimensional drawing (Unit:mm)

## V Selection List

| Code 1 | Measuring range                       |
|--------|---------------------------------------|
| 03     | 0~3m                                  |
| 04     | 0~4m                                  |
| 05     | 0~5m                                  |
| 06     | 0~6m                                  |
| 07     | 0~7m                                  |
| 08     | 0~8m                                  |
| 09     | 0~9m                                  |
| 10     | 0~10m                                 |
| Code 2 | Cable type                            |
| D      | Common cable                          |
| F      | Anti-corrosion cable                  |
| Code 3 | Lengths of cable (m)                  |
| 1      | Standard length (Measuring range +2m) |
| 2      | Customize                             |
| Code 4 | Nameplate                             |
| C      | In Chinese                            |
| E      | In English                            |
| Code   | Optional                              |
| A      | ASC4000 RTU                           |

### Example:

Input Type Liquid Level Transmitter

ASP2002CWL-05D1C-A

[05]: Measuring range: 0~5m

[D]: Cable type: Common cable

[1]: Cable lengths (m): Standard length

(Measuring range +2m)

[C]: Nameplate: In Chinese

[A]: Optional: ASC4000RTU