

### LiquiLevel FS Remote Level monitoring

- **NB-IOT Network**

Wireless NB-IoT network

- **Low power consumption, battery power supply**

Ultra-low power consumption, Integrated high-energy lithium battery, with service life over 2 years

- **On-line monitoring**

Data application in PC and mobile terminals, real time/history/alarm data query

- **Information management**

Based on the GIS management system, location information, device status and other information are clearly visible

- **Professional pressure monitoring**

Static pressure measurement, over 25 years experience in design and manufacturing of pressure sensors

- **Integrated structure**

Smart structure, integrated design, easy for site installation

- **Alarm**

Level ultra-limit/low battery alarm, alarm pushing to Email

- **Remote setting**

Support remote setting for data collecting frequency, data transferring frequency, alarm limit, etc.

- **Breathing light alert**

Breathing light alert for device state/abnormal conditions

- **Third-party data application**

Opened database and interface protocol, and available interface parsing file



### Introduction

LiquiLevel FS is an intelligent instrument for IOT application, which integrates the features of battery power supply, ultra-low power consumption, NB-IOT/2G communication and level monitoring. Base on the wide coverage of public network, LiquiLevel FS realizes on-line monitoring for level points in a wide range. Combining the application of Web big-data platform, it supports remote setting for data collecting interval, data sending interval, alarm limit, etc.

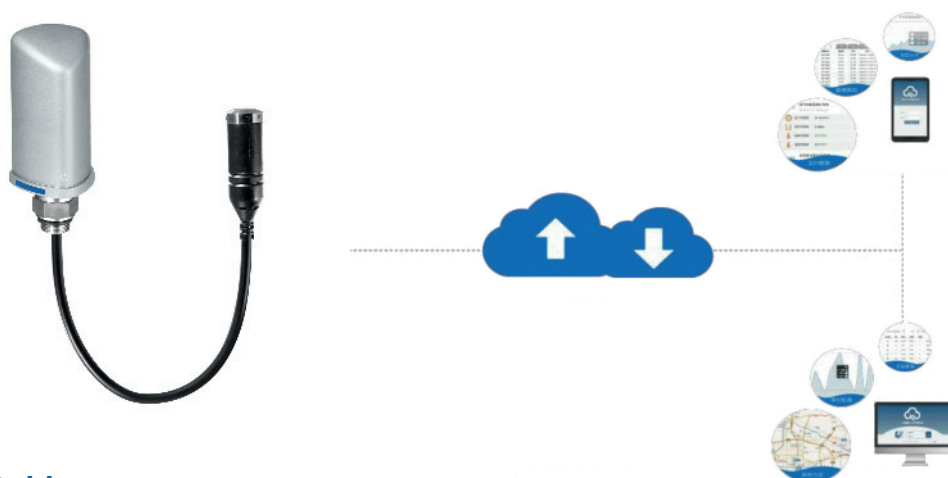
LiquiLevel FS, with protection IP65, is applicable for outside environment, easy to be installed, and when start up, the data could be transferred to PC or mobile phone for querying. It is also applicable

for monitoring environment with no power supply, for site application of fire control reservoirs/tanks etc.

## Specifications

Pressure Range	0~200mH <sub>2</sub> O
Accuracy	±1%FS
Display	LED breathing light alert
Network type	2G, NB-IoT(B1/B3/B8/B5/B20/B28)/(B2/B3/B5/B8)
Antenna	Built-in
Collecting interval	1,5,10,30,60,360,720,1440 minutes options, default 1 min
Heartbeat interval	1,5,10,30,60,360,720,1440 minutes options, default 1440 mins
Wake up mode	Timing, keying, alarming wake up
Setting mode	Local/remote setting
Data uploading	Level data, battery information, network state
Power supply	3.6V@19Ah
Power consumption	Standby current≤50uA,average sending current≤100mA
Working temperature	-20℃~70℃
Storage temperature	-40℃~85℃
Vibration	≤3g/10Hz...150Hz(IEC 60068-2-6-2007)
Protection	IP65
Housing material	PC
Installation accessory	Stainless steel mounting bracket
Installation	Vertical, horizontal
Outline dimension	H: 120mm, Max dia.≤50mm
Weight	~0.3kg (header)

## System Topology



## Order Guide

LiquiLevel FS	Wireless Level Transmitter						
	Range	Measured range:0m~1m...200m H2O					
	[0m~Xm H2O]	X:actual measuring range, L: cable length,L-X= (1~2) m					
	L	Code	Mode				
		G2	2G				
		GN	NB-IoT				
			Code	Software application			
			M	Big-data Platform			
			C	Self-built application, open database/communication protocol			
				Code	SIM card		
				S <sub>2</sub>	customer's own SIM card (with data service)		
					Code	Others	
					W	With installation bracket (default)	
LiquiLevel FS	[0m~3mH2O]	5	GN	M	S <sub>2</sub>	W	the whole spec.

### Notes:

Please pay attention that the media should be compatible with the contacted parts;  
If any special requirements on function or specification, please contact with us freely.