



FUNCTIONAL LIQUID LEVEL MONITORING SENSOR IN CONTAINERS

Designed for monitoring the liquid level of plant nutrient solution, disinfectant, chemical treatment solution, etc. in containers



DYP Store

Liquid level monitoring sensor V1.0C

Web: dyocn.com

Shenzhen Dianyingpu Technology Co., Ltd.

DYP | 电应普

Sensing the world, smart for you!



Soilless culture nutrient
solution monitoring



Green plant viewing
tank nutrient solution
monitoring



Disinfectant level
monitoring in air
disinfectant tank



RV water tank
sewage tank water
level monitoring

DYP-L07C

ANTI-CONDENSATION TRANSDUCER

Corrosion resistant, durable

Suitable for liquid level monitoring scenarios such as
plant nutrient solution, disinfectant, chemical
treatment solution, etc. in containers



FOV
10°~50°



Range
1.5~200cm

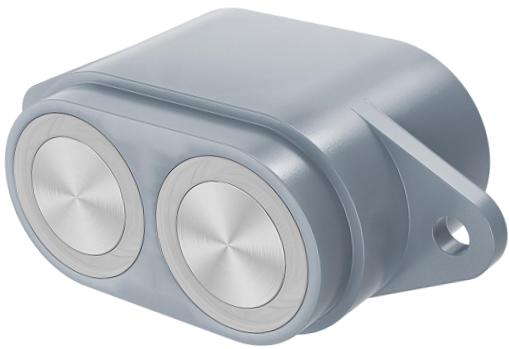


Grade
IP67



ULTRASONIC RANGING SENSOR DYP-L07C

The DYP-L07C module is an ultrasonic liquid level sensor with special designed for liquid level detection applications. It is designed to solve the current market issues of ultrasonic sensor modules, such as large blind spots, large measurement angles, long response times, and corrosion from corrosive liquids. It is suitable for use in nutrient solution corrosive environments, such as nutrient solution monitoring in green plant viewing boxes.



FEATURE

- Blind zone: 1.5cm
- Transducer surface hydrophobic treatment process
- Max sensing range setting available from 30 to 300cm
- Housing, transducer anti-corrosion treatment
- MTTF ≥26000hours
- Built-in liquid surface sloshing filter and small step filtering algorithm

SPECIFICATION

Model	DYP-L07C
Operating voltage	DC 3.3 ~ 12V
Standby current	≤5uA
Average current	≤9mA (IIC、RS485 output ≤10mA)
Blind zone	1.5 cm
Range for flat object	1.5 ~ 200 cm
Output interface	PWM 、 UART Control、 UART Auto、 Switch、 IIC、 RS485
FOV	Minimum 10°
IP Grade	IP67

DIMENSIONS: mm

