

## MSDR-PS90



### Product Introduction

MSDR-PS series immersed liquid concentration sensor is a high precision optical instrument based on the principle of light refraction and total reflection to measure liquid concentration, suitable for the temperature below 0°~80° C of all kinds of solution concentration detection. Usually installed in containers, pools, tanks and other open applications. Product integrated measurement, display and switching control signal output, easy to install, easy to maintain

Operation Panel



### Product Parameter

Measure Range	Brix 0.0 ~ 90.0%	Resolution Ratio	Brix 0.1%
	RI 1.3270~1.5177		RI 0.0001
	Temperature 0.0 ~ 80.0°C		Temperature 0.1°C
Measurement Accuracy	Brix ±0.2%	Environment Temperature	0.0~ 60.0°C
	RI ±0.0003	Sample Volume	Submerged Measurement
	Temperature ±0.5°C	Withstand Pressure	0.6MPa
Measuring Time	Measure once in 1 seconds default	Protection Grade	Sensor IP67 Watch Head IP65
Installation	Box installation, Support Customization		
Output	Analogue Output: 4~20mA correspond to brix concentration 0.0 ~90.0% (Support Customization)		
	Digital Output: RS485		
	Other output options can be customized		
Input	DC+24V±10% The curren< 100mA		

Probe Detection Window



Wiring Part



## MSDR-PS90 Independent Probe Products

### Product Introduction

MSDR-PS series immersed liquid concentration sensor is a high precision optical instrument based on the principle of light refraction and total reflection to measure liquid concentration, suitable for the temperature below 0°~80° C of all kinds of solution concentration detection. Usually installed in containers, pools, tanks and other open applications. Product integrated measurement, display and switching control signal output, easy to install, easy to maintain



### Product Parameter

Probe Detection Window



Back End



Measure Range	Brix 0.0 ~ 90.0%	Resolution Ratio	Brix 0.1%
	RI 1.3270~1.5177		RI 0.0001
	Temperature 5.0~ 55.0°C		Temperature 0.1°C
Measurement Accuracy	Brix ±0.2%	Environment Temperature	0.0~ 60.0°C
	RI ±0.0003	Sample Volume	Submerged Measurement
	Temperature ±0.5°C	Withstand Pressure	0.6MPa
Measuring Time	Measure once in 1 seconds default	Protection Grade	IP67
Installation	Box installation, Support Customization		
Output	Analogue Output: 4~20mA correspond to brix concentration 0.0 ~90.0% (Support Customization)		
	Digital Output: RS485		
	Other output options can be customized		
Input	DC+24V±10% The curren< 100mA		