PS On-line Liquid Concentration Sensor

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

Brix 0.0 ~ 90.0%	Resolution Ratio	Brix 0.1%	
		B11X 0.176	
RI 1.3270~1.5177		RI 0.0001	
Temperature 0.0 ~ 80.0°C		Temperature 0.1℃	
Brix ±0.2%	Environment Temperature	0.0∼ 60.0℃	
RI ±0.0003	Sample Volume	Submerged Measurement	
Temperature ±0.5℃	Withstand Pressure	0.6MPa	
Measure once in 1 seconds default	Protection Grade	Sensor IP67 Watch Head IP65	
Box installation, Support Customization			
Analogue Output: 4~20mA correspond to brix concentration 0.0 ~90.0% (Support Customization)			
Digital Output: RS485			
Other output options can be customized			
DC+24V±10% The curren< 100mA			
	Temperature 0.0 ~ 80.0°C Brix ±0.2% RI ±0.0003 Temperature ±0.5°C Measure once in 1 seconds default Box installation, Support C Analogue Output: 4~20n 0.0 ~90.0% (Support Cus Digital Output: RS485 Other output options can	RI 1.3270~1.5177 Temperature 0.0 ~ 80.0°C Brix ±0.2% RI ±0.0003 Temperature ±0.5°C Measure once in 1 seconds default Box installation, Support Customization Analogue Output: 4~20mA correspondu of 200.0% (Support Customization) Digital Output: RS485 Other output options can be customize	

Probe Detection Window



Wiring Part



Please consult the manufacturer for more product models 202304MP01 24

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MSDR-PS90 Independent Probe Products

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