

# RizonSDI® AUTO SDI Monitor

## RizonSDI® -110/120



### Application

- RO system on-line testing
- Sea Water Desalination
- Common Water Treatment
- Large scale plants that unattended operation is required



### Features

- According to the ASTM D4189-07 Norm and its global generality property
- Up to 3-channel input
- With automatic, precise and infallible routine
- a complete self-contained system meant for unattended operation
- With extensive reliability and with advanced fault analysis and warning
- The operational display panel provides the operator with interface and on-line control to the analyzer control functions
- Real-time monitoring and display the SDI value, functions, and fault detection by LCD
- Rugged, spray proof (IP 53) self-contained, wall mountable system
- Analogue output (4~20 mA) for remote reading of SDI value
- Superior anti-interference ability by power-down protection and digital filtration technique
- Alarms for temperature, abnormal pressure of air supply, membrane supplement and SDI over-limit
- Print testing results by connecting external equipment
- Automatic transport of filter paper after each measurement for a total of 80~100 measurements out of one paper roll
- Booster Pump is supplied if inlet pressure is less than 35 psi

3 SECTION  
Automatic SDI Monitor

# RizonSDI® AUTO SDI Monitor

RizonSDI® -110/120



## Main Parameters

Basic Information	
Housing Size	350mm*270mm*640mm
Working Humidity	<85%RH, No Corrosive Gas
Working Temperature	5~40°C
Precision	±2%
SDI Range	0~20
SDI Testing Time	1~15 min
Output Signal	4~20 mA
Testing criteria	ASTM D4189-07
Applicable Membrane Filter Roll model	HSDI-0645-MCE
Environmental Protection	IP 53
Operating Conditions	
Air Intake pressure	4.0~8.0 bar
Water Inlet Pressure	2.4~5.0 bar or 35-73psi
External Power	220VAC, 10%,50~60HZ
Water Inlet & Outlet Size	Φ 6mm quick joint
Air Intake Size	Φ 6mm quick joint

## RizonSDI® AUTO SDI Monitor -110/120 Assembly and Material list

Parts	Material	
	RizonSDI® -110 (Common water)	RizonSDI® -120 (Sea water)
Main Material	Metal, PVC, ABS	Metal, PVC, ABS
Housing	Metal	PVC; ABS;
Tube	PU	PU
Gas Pressure Regulator	aluminum alloy	aluminum alloy
Water Pressure Regulator	aluminum alloy	non-metalic
Gas Pressure Guage	Brass	Brass
Water Pressure Guage	Brass	non-metalic
Gas Solenoid Valve	PA	PA
Water Solenoid Valve	Brass	PVDF
O-ring	Silicon Rubber	Silicon Rubber
Filter Holder Plate	PP	PP
Booster Pump	Nylon	Nylon

## Ordering Information

Ordering Conformation		
Item No.	Product	Description
HAST-10	RizonSDI®AUTO SDI Moitor	Standard Configuration: For Common Water,1-Channel Input, Seawater Needs HAST-VA Solenoid Valve Configuration.
HAST-20	RizonSDI®AUTO SDI Moitor	Standard Configuration: For Common Water,2-Channel Input, Seawater Needs HAST-VA Solenoid Valve Configuration.
HAST-30	RizonSDI®AUTO SDI Moitor	Standard Configuration: For Common Water,3-Channel Input, Seawater Needs HAST-VA Solenoid Valve Configuration.
HAST-40	RizonSDI®AUTO SDI Moitor	Standard Configuration: For Common Water,4-Channel Input, Seawater Needs HAST-VA Solenoid Valve Configuration.
HAST-VA	Solenoid Valve	For Seawater Configuration.
Optional Accessories		
HAST-PU	Booster Pump	Water Inlet & Outlet Pressure<2.4 Bar Optional
HSDI-0645-MCE	RizonSDI®Membrane Filter Roll	6 M/Roll, 0.45 Microns, with Usual Measures of Time Up to 80-100.