

SPA-Fe-T01 Total Iron Water Quality Analyzer

Datasheet

Product overview

SPA-Fe-T01 is an on-line total iron analyzer that measures the concentration of dissolved iron (trivalent and divalent iron) in water by colorimetric methods. The reagents are automatically pumped into the water sample for reaction and the total iron concentration in the water is measured by the colorimetric method. By selecting different reagents, the analyzer can measure different total iron concentrations.



Application

- Drinking water
- Raw water
- Boiler water
- Cooling water

Features

- Accurate and reliable fully automated total iron analyzer
- With self-diagnosis, abnormal alarm, data exceeding the standard alarm function
- Interval measurement optional, minimum 5min
- Supports Modbus RS485 and 4-20mA signal outputs
- Support 4G, WiFi wireless data transmission

Specifications

Specifications are subject to change without notice.

Specification	Detail
Parameter	Total iron
Measurement method	Colorimetric method
Range	0.01-0.5 mg/L(ppm), 0.2-6.0 mg/L(ppm)
Accuracy	±10 % of the upper measured value of the respective reagent used
Repeatability	±5 % of the upper measured value of the respective reagent used
Dimension(H x W x D)	300×300×180 mm (11.81×11.81×7.09 inch)
Weight	Approx. 4 kg
Power requirements	100-240 VAC, 50/60 Hz
Power consumption	25 W
Operating temperature	5 - 45 °C (41 - 113 °F)
Storage temperature	5 - 45 °C (35.6 - 140 °F)
Protection class	IP54
Humidity	20 % - 95 %, indoor installation
Cable length	6 m (6.56 ft), Please contact us for other sizes
Tubing requirements	Inlet/Outlet: 6 mm outer diameter
Pressure	0.2 - 2 bar
Communication Interface	Modbus RS485
Analog output	0/4 – 20 mA
Digital input	1
Digital output	2 relays
Wireless communication	WiFi / 4G (optional Configurations)
Data storage	32 GB SD card
Warranty period	One year

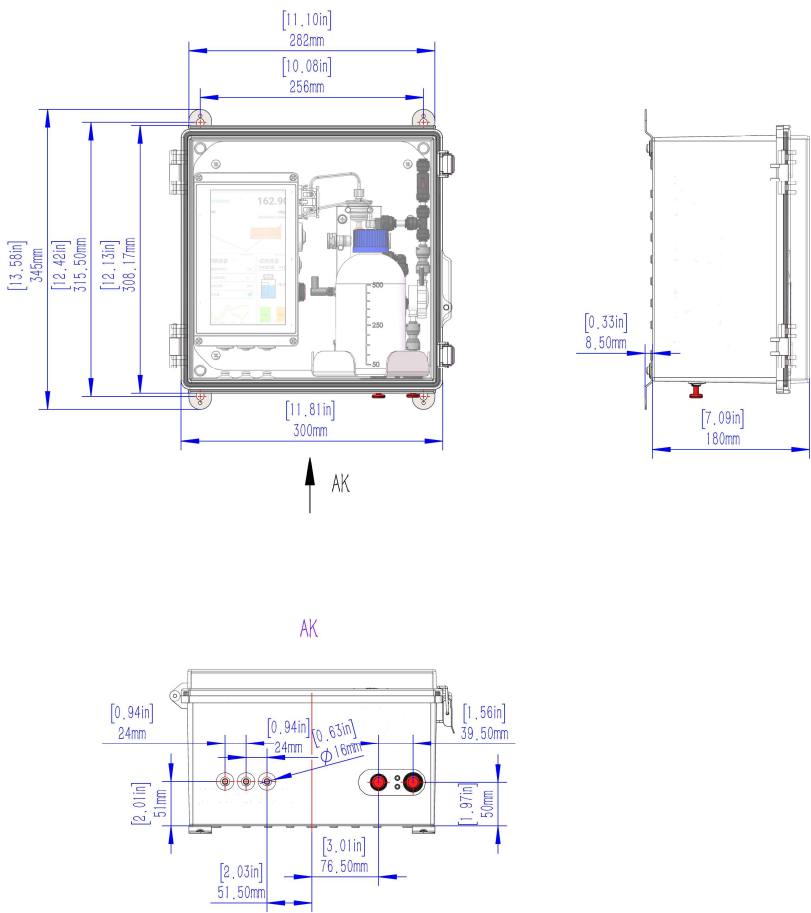
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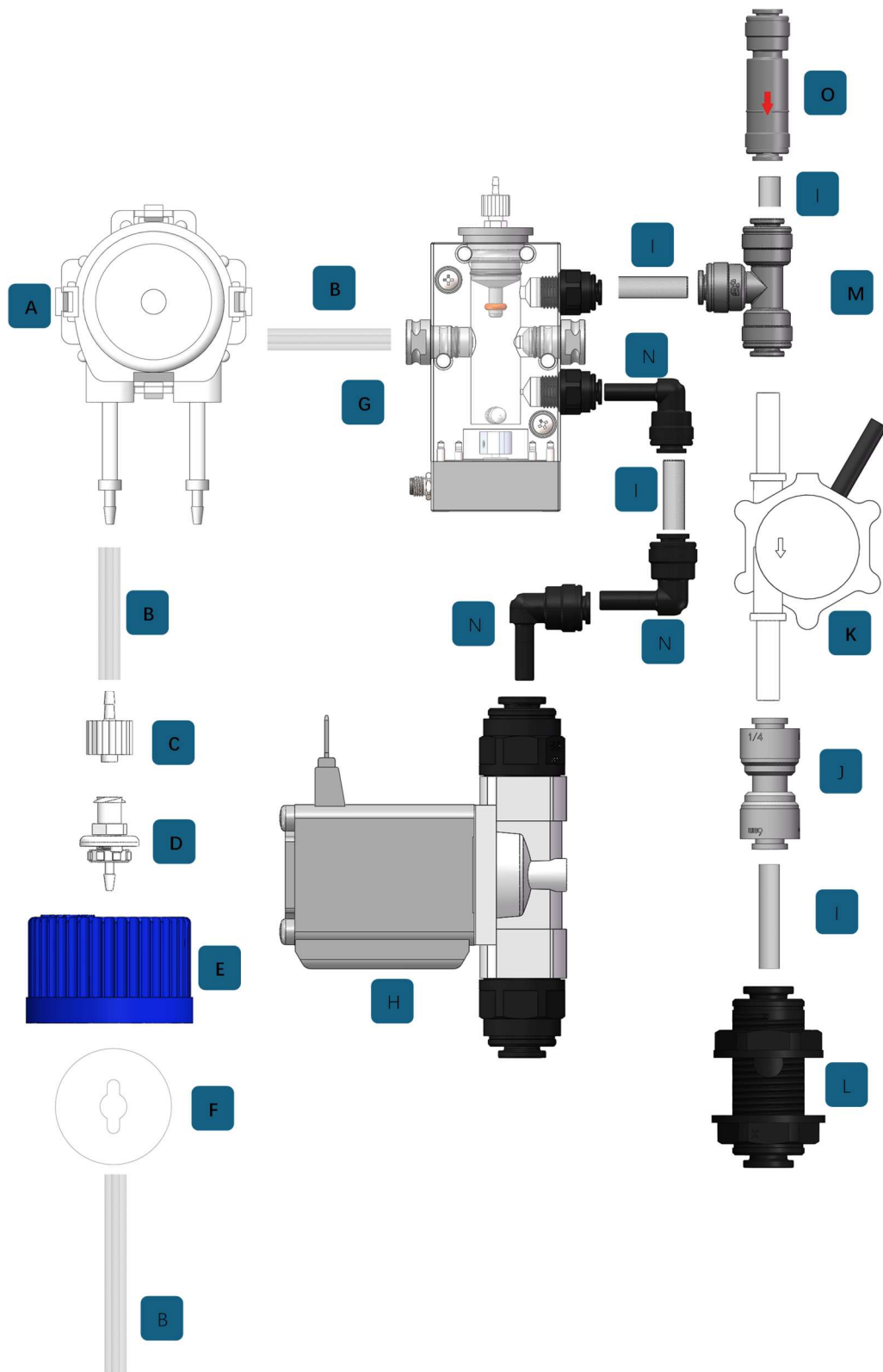
Reagent range

No.	Reagent type	Range (mg/L)	Capacity
6201	WAR-Fe-T01	0.01-0.5	500 mL
6202	WAR-Fe-T02	0.2-6.0	500 mL

Dimensions



Accessories and consumables



Accessory list

No.	Name	Qty. per set	Encodings
A	Pump head	1	PRT010485
B	Reagent hose	3	PRT010663
C	Luer female fittings	1	SPZL001439
D	Luer bulkhead fitting	1	PRT010386
E	Bottle cap GL32	1	PRT010392
F	Luer bulkhead fitting mounting tab	1	PRT010863
H	Solenoids	1	PRT007784
I	6mm tube	1	SPZL002657
J	Pneumatic joint	1	SPZL002373
K	Flow meter	1	SPZL001486
L	Bulkhead joints	1	SPZL001536
M	Equal elbow (6 mm)	1	SPZL001851
N	Rod elbow (6 mm)	3	SPZL001538
O	Check valves	1	PRT008483

Colorimetric module

No.	Name	Qty. per set	Encodings
G	Colorimetric module	1	ASM001497
Note: The colorimetric module contains the optical receiver (6), measurement chamber (10), magnetic agitator (11), drain plug (13), light source (14), and inlet plug (15) as described in Section 2.5.2. There is already a colorimetric module in the original product, the colorimetric module is not part of the accessories and consumables included in the above, if you need to replace the original colorimetric module, or if you need more colorimetric modules, please contact us to purchase separately.			

