Online Iron Ion Analyser

PACON 3400

PACON 3400 is a compact, easy-to-operate and accurate on-line iron ion analyser from JENSPRIMA that measures the concentration of dissolved iron (divalent and trivalent iron) in water for controlled removal of iron ions. Using the colorimetric principle, it is very easy to switch between the LRS (0.01-0.5 mg/L) and HRS (0.2-6.0 mg/L) measurement ranges at any time by using different coloured LED light sources and selecting reagents. Low-maintenance design for long periods of continuous operation. Standard 0/4-20mA and RS485 Modbus outputs for easy integration into your existing control system.

Measurement parameters

Iron ions (divalent iron + trivalent iron)

Applications

boiler feedwater、Drinking Water、Iron removal Process

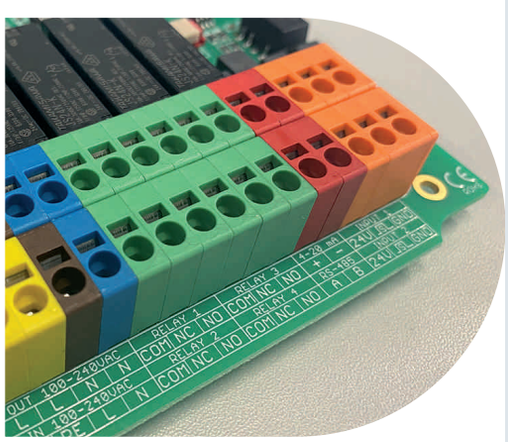
Features

- Based on ISO 6332 measurement method (colorimetric method)
- Automatic on-line monitoring, only one reagent required
- Special material measuring tank, condensation will not adhere to the optics
- Automatic zero point adjustment before each measurement to ensure measurement stability
- 4-20mA/RS485 Modbus outputs
- 4 programmable relay outputs
- External signal input function (can be linked with external devices)
- Compact design for easy installation
- Low maintenance and low reagent consumption

Two different measurement ranges of reagents are available:

FE3401 Low range Iron ion reagents: 0.01~0.5mg/L

FE3402 High range Iron ion reagents: 0.2~6mg/L



Order Guide

Order No.	Description
33-3400-00	PACON 3400 Online Total Iron Analyser
50-3400-01	FE3401 Low range Iron ion reagents
50-3400-02	FE3402 High range Iron ion reagents
50-5000-10	Spare Parts Kit Including pump head (including pump tube), all seals, stirrups, connection pipe of reagent bottle, recommend to exchange every year.

Technical parameter

Measurement method:	Colourimetric method
Measuring range:	low range: 0.01-0.5mg/L、High range: 0.2-6.0mg/L
Accuracy:	± 10%
Repeatability:	± 5%
Reagent consumption:	ca. 0.5 ml/analysis
Expiry date of reagent:	1 year (<25°C, storage in shade)
Water consumption:	approx. 2 L of water per analysis (at 2 bar pressure)
Power supply:	85 - 265 VAC, 47-63Hz
Power consumption:	25VA (operating), 3.5VA (standby)
Protection class:	IP65
Display:	Graphic backlit LCD display
Measurement units:	mg/L
Outputs:	1、4 sets of programmable relay outputs (max. 250 V, 4 A)，2、1 group of 0 / 4 - 20 mA signals, max. 750 Ω 3、RS485 Modbus RTU communication
Inputs:	1、IN1 input (start analysis / flow control switch / water meter) 2、IN2 input (reset device)
Analysis period:	Time interval measurement (10~360min)/external signal/ flow signal
Flushing time:	settable (15~1800s)
Water quality requirements:	colourless, no suspended matter, no air bubbles
Temperature: ambient:	5°C - 45°C, water sample: 5°C - 40°C
Humidity:	20 - 90% RF, indoor installation
Pressure:	ca. 0.5 - 5 bar (max.) (1 - 2 bar recommended)
Water inlet/outlet connection:	6 mm OD hose
Dimensions/weight:	300x300x200mm (WxHxD), ca. 4Kg
Mounting:	Wall mounted