

FREHNIG

pH Transmitter



Transmitter

ONLINE ANALATYICAL

Specially designed for
online monitoring
applications

INLINE SENSOR FITTING



Online readings

TWO WIRE PROBE COMPATIBLE / ATC

HIGH RESOLUTION

RS-485.MODBUS / 4-20mA



Sensors

Analatycal Series Instruments

FREHNIG Analytical Series Instruments - pH

Applications

- Water Treatment
- Test Rigs
- Paper & Pulp
- Effluent Treatment Plants
- Waste Water & Sewerage
- Food & Dairy Processing
- Chemical Process Plants

Features

- pH / Temperature measurement
- High resolution
- Analog Output
- RS-485 / Modbus output
- Separate version
- Computerized data logging
- Easy Calibration

FREHNIG pH transmitter is an easy to use instrument with all the necessary tools for online measurement and monitoring of pH

The FDP 2021 features high impedance analog front end with high resolution Analog to digital conversion for superior performance.

The FDP 2021 transmitter accepts any 2 wire single junction pH electrode and a PT-100 probe for temperature measurement.

The 2 line alphanumeric display shows both pH & temperature measurements.

The transmitter has 3 point calibration for linear measurement. Temperature sensor can also be calibrated for span & zero. Automatic temperature compensation can be enabled/disabled using the menu. Manual temperature compensation is also programmable.

The 4-20 mA outputs are again of high resolution and can be scaled digitally.

The 485-communication is done over MODBUS protocol for easy implementation of DAQ

Specifications of transmitter

Accuracy	: 0.1%
Units	: pH
Sensor Input	: 4-20mA - 2 Nos
Sensor Input	: BNC male
Display	: 2 Line Alphanumeric
Resolution	: 00.00 pH
Analog Output	: 4-20mA
Communication Output	: Rs-485
Protocol	: MODBUS
Calibration	: Digital
Power Supply	: 220V AC 50 Hz
Enclosure	: Wall mount

FREHNIG

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