

# FREHNIG

## Differential Pressure Transmitter



Transmitter

Measurement/Display of 3 values.. High/low/Delta-P

Specially designed for online monitoring applications

Extreme High Resolution Measurement

RS-485 Modbus

Sensors



Individual sensors for increased protection

FREHNIG

Analatycal  
Series  
Instruments

# Analytical Series Instruments -Differential Pressure

## Applications

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

## Features

- P1/P2 /  $\nabla$ P Measurement/Display
- Extreme high resolution
- Choice of user units
- Linear & Accurate
- Separate version
- Computerized data logging
- Easy Maintenance

FREHNIG Differential pressure transmitter is a versatile instrument which is employed where measurement and display of High /Low pressures and the differential pressure is needed simultaneously.

The FDP 2021 transmitter uses two channels to measure the signals from two individual pressure transmitters and provide the outputs of P1 / P2 & DP.

The transmitter incorporates an extreme high resolution/high speed measurement system, which is very relevant, because it makes it possible to use high pressure sensors to measure at 1/4 of Full scale without loss of resolution. Due to this the sensors can be safely guarded from over-pressure ranges and life of sensors increase manifold.

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

Default Sensors are Stainless steel piezo type. But other type sensors can also be used

## Specifications of transmitter

Accuracy	: 0.1%
Units	: Bar/Psi/ kg/Cm2
Sensor Input	: 4-20mA - 2 Nos
Sensor Excitation	: From transmitter
Display	: 2 Line Alphanumeric
Resolution	: 000.00 bar
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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