

# FAUZ MECHANICS

**FAUZ MECHANICS** Introduces S1 Series 'DIGIMACKS' Versatile Pressure Transmitter, which is a micro controller based digital pressure instrument, that can be used to directly measure Pressure. Differential and Absolute Pressure Gauge which support pressure up to 1000 mm wc. The pressure output is displayed in selectable engineering unit of mm Wc and Pa.

The S1 Series has been designed using the latest technology to provide reliable accuracy, using extremely stable Micro Electro Mechanical Sensor to give a standard full scale accuracy of 0.5%. The compact design makes the unit easy to install in the industry and serves as an excellent alternative to existing mechanical gauges.

Pressure measurement can be displayed on a large, easy to read Bright Seven Segment LED display, which also indicates set points and range overflow condition.



SIMPLE SENSING TECHNOLOGY

## Features:

- ▶ Easy to Install and suitable for Panel Mounting
- ▶ Optional Password Protection
- ▶ User friendly operations via keypad on face
- ▶ Bright easy to read LED display
- ▶ Two selectable units : mm Wc and Pa
- ▶ Programmable low and high pressure audio visual alarm with delay time
- ▶ Green LED Normal , Yellow LED Delay and Red LED For Faulty Condition
- ▶ Optional Output Signal : 0 - 10 Volt / 4 - 20 mA/SPDT Relay/RS485
- ▶ User friendly calibration technique.

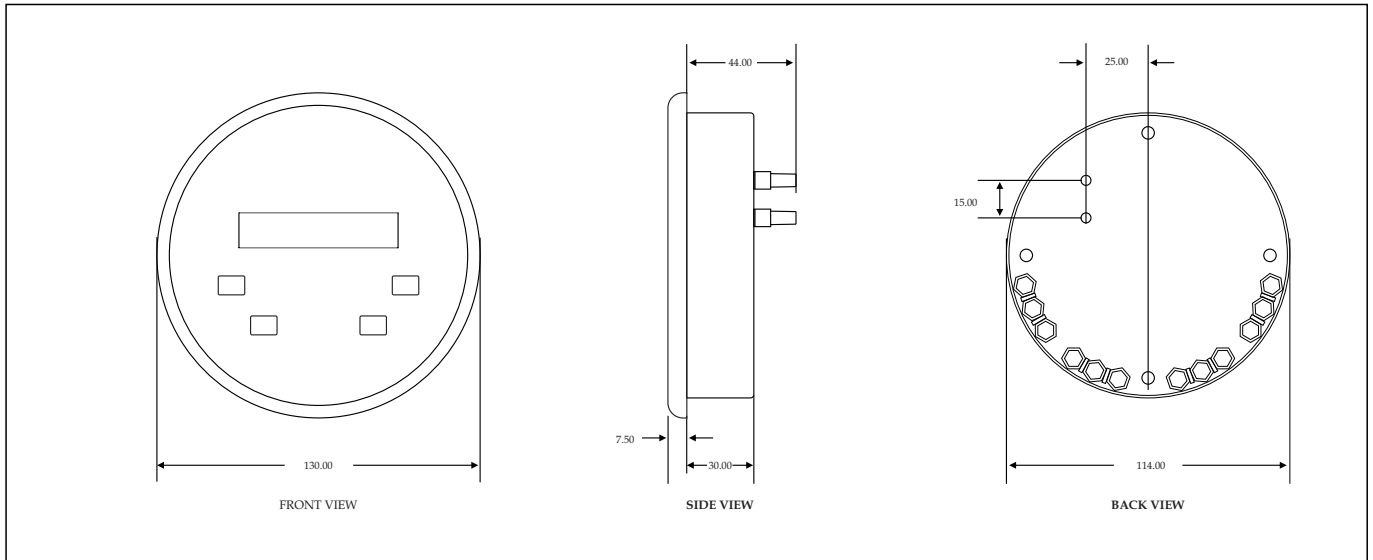
## Specification:

Media compatibility	: Air, non combustible, non corrosive gases
Supply Voltage	: 24 VDC
Accuracy	: Ranges: 0 - 10 mm Wc. $\pm 1.0\%$ of F. S , Ranges: 0 - 25 mm Wc $\pm 0.5\%$ of F. S.
Display	: 4 Digit Seven Segment
Output Signals	: Audio - Visual Low & High Pressure Alarm
Optional Output	: 4-20 mA/ 0 - 10 V/ Relay /RS485
Response Time	: 100 - 3000 m Sec (Selectable via Menu)
Operating Temperature	: 10° to 60°C
Storage Temperature	: -30° to +100° C
Over Pressure	: Ranges: 50 mm Wc : 9 PSI, 100 to 1000 mm Wc :19 PSI
Switch	: Digital push button.
Front Cover	: SS 304
Housing Material	: Glass filled nylon
Electrical Connections	: Screw terminals
Process Connection	: Push on connection for 3/16" ID tubing
Weight	: 230 Gram.
Dimensions	: 114 Dia. X 30 mm depth

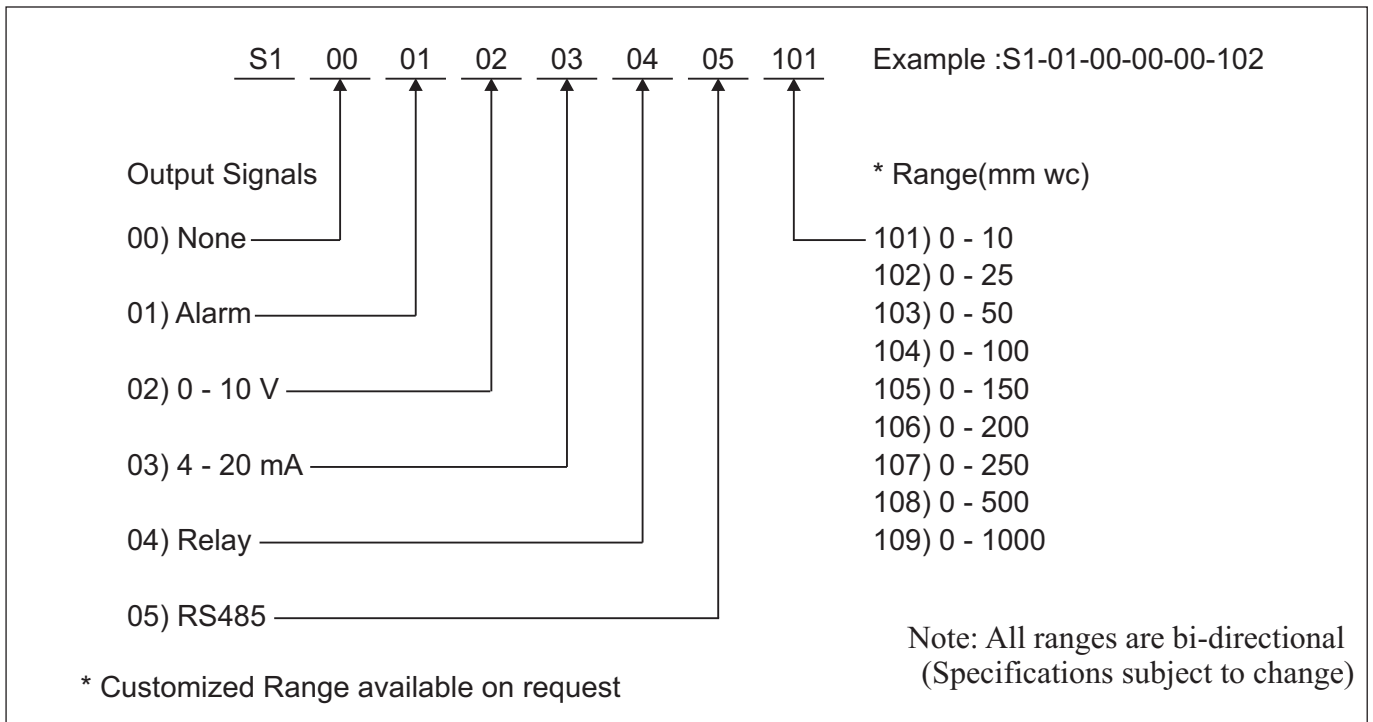
## Applications:

- ▶ Laminar Flow Bench
- ▶ Bio Safety Cabinet & Paint Booth
- ▶ Pressure Monitoring in Clean Rooms
- ▶ Monitoring Air Filters & AHU
- ▶ HVAC & Process control
- ▶ Pharmaceuticals Equipment

**Dimensional Drawing:**



**Model Selection Chart:**



Manufactured by:

**FAUZ MECHANICS**

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