

Pascal-ST/Z

Novasina launches new differential pressure measurement instruments with automatic zero-point calibration!

The new Pascal-ST/Z measurement devices are working by measuring the static differential pressure. This method is based on a silicone membrane, which is deformed when pressure is acting on it and provides a corresponding measurement value. This technology has certain physical limits though. Due to the mechanical stress and material fatigue a zero-point drift occurs after a certain time. In order to avoid this "natural" characteristic of the membrane, Novasina has developed a new system, which carries out a zero-point calibration automatically. Hence the drift property is extremely improved and at the same time the device position influence eliminated.

The new device is maintenance-free and can be operated immediately after its mounting without any prior zero-point calibration. Regardless of which is the mounting position (horizontal or vertical). If required it can be configured by a windows based software. The configuration possibilities are manifold: password protection, scalable and adjustable analogue outputs, alarm threshold setting, manual zero-point calibration, 2-point calibration, filter settings and many more.

4 different Pascal-ST/Z models, each with measurement ranges of 0 to 50 Pa and 0 to 200 Pa, are available. So almost all applications are covered and an optimal solution for each necessity can be provided.

This new device generation offers a superior accuracy, stability and mounting simplicity at substandard prices. Thanks to a sophisticated design a unique price efficiency could be obtained.

The pressure monitoring and control in clean rooms becomes a child's play. The instrument has only to be connected and powered, the rest is done by the Pascal-ST/Z, automatically. An added value for the installation and a cost reduction for operating and maintenance.

More information are available at:

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