

## TempC Membrane

Highest accuracy and process safety in pressure and differential pressure measurement with diaphragm seals

For level measurements in pressurized tanks and in specific pressure applications, diaphragm seals may constitute the only possibility of measuring reliably and safely.

To measure even more precisely in such applications and to increase process safety, Endress+Hauser has developed the TempC Membrane on basis of a completely novel technology. This membrane guarantees best in class accuracy and maximum process safety in diaphragm seal applications.



## Best in class accuracy for pressure and differential pressure applications with diaphragm seals

Endress+Hauser offers the best suitable sensor for every application. In processes with very high or very low temperatures, aggressive media or strong vibrations, diaphragm seals offer optimum measuring results. The patented temperature-compensating TempC Membrane guarantees highest accuracy and increased process safety thanks to its new technology:

- The very low temperature effect minimizes the influence of fluctuations of both process and ambient temperatures thus guaranteeing accurate and stable measurements. Temperature-effects on the signal are reduced to a minimum.
- TempC Membrane may be used in the temperature range of -40°C and 250°C. This guarantees the highest degree of process safety also in tanks and pipes which are cleaned or sterilized (CIP/SIP) at high temperatures, even for very long cycles.
- Thanks to the TempC Membrane, smaller dimension process connections are possible. The new diaphragm detects with a smaller process connection at least as accurately as conventional diaphragms with a larger diameter.
- Fast membrane recovery after temperature shocks of the diaphragm permits shorter downtime in batch applications and thus a significantly higher availability of production facilities.
- In addition, TempC Membrane convinces customers by its better hygiene cleanability as well as insensitivity to strong pressure load changes.



### TempC Membrane - best in class accuracy due to:

- Minimized ambient temperature effects
- Minimized process temperature effects
- Short thermal recovery time

### Products with TempC Membrane



Cerabar M PMP55



Cerabar S PMP75



Deltabar S FMD78

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