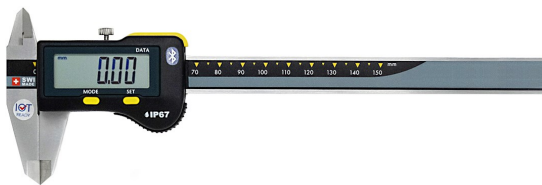


METROLOGY MEASURING INSTRUMENTS



General measuring instruments

We supply the heat exchanger industry with metrology equipment, such as vernier calipers, outside micrometers and 3-point bore gauges.



Bore gauge and ID gauges

Bore gauges and ID gauges are commonly used in the heat exchanger industry as they are designed for dimensional measurement or assessment of the internal diameter of components. Most commonly they'll be used for measuring the tube sheet hole prior to expanding a tube in place, and then used to measure the tube ID after expansion to ensure correct expansion.

These 3-point bore gauges have three contact points mounted on an arm that expands out from a central point. These can detect lobe or out-of-roundness conditions, which is an advantage over 2-point ID gauges. Available in analogue or digital with some digital gauges offering data transfer via bluetooth to spreadsheets for mapping, reporting and providing control charts for QA processes.

Tube hole gauge

Digital gauge

Quick trigger w/bluetooth



All digital bore gauges allow the user to measure in both inch/decimal and metric units. There are options for additional reach extensions to increase the capacity of these tools for Fin Fan and similar units.

