

function

The SCITEQ pipe wall thickness gauge measures wall thickness with very high accuracy without personal error possibility.

highlights

simple set-up

compact construction

easy maintenance

high accuracy

quality product

features

Often pipes are controlled after the production by means of a hand gauge. The uncertainty of this method is often quite significant even when using skilled labour. However, placing the sample on the V-block with the gauge placed on a measuring arm in a fixed position, reduces the uncertainty to an absolute minimum.

The sample is manually rotated on the V-block and manual registration is done on the microprocessor attached to the digital gauge.



We wish to give our partners the tools to produce to the highest standard, while helping them to produce as cost effectively as possible with Q.C. tools throughout the factory.

construction

The apparatus consists of a V-block that can handle elements of up to 1000 mm long with a diameter between 20 and 630 mm and a wall thickness of max. 12, 30 or 50 mm dependant on the chosen gauge.

The gauge can be delivered with or without a Mitutoyo microprocessor or with a mechanical gauge. The measuring arm is 300 mm in order for wall thickness measurements to be made on the longitudinal axis of the pipe. It is possible to produce a longer measuring arm. Smin. and Smax. can be measured with the microprocessor.

With the processor the apparatus can satisfy almost any need of information required. When coding for example the min. and max. tolerances you can make up to 999 measurements within one tolerance degree. These can be followed by a print-out with date and time, initials of the person who made the measurements, number of measurements, tolerance degrees, measurements above and below the tolerances, % of deviation, and margin of errors.

From these measurements the processor can make a histogram and calculations of Cpk. Processors with direct connection to PC can also be supplied on request.

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