

Wall Thickness Gauge

The revolutionary WTG wall thickness gauge provides continuous monitoring of pipe wall thickness. The Sysmetric GSET THz sensor is based on the use of millimetric radio waves and employs short radar technology to measure pipe thickness.

Features:

- Standard 8 points of measurement over 360°
- Inner and outer pipe diameter measurement
- Pipe ovality measurement
- Measuring accuracy of $\pm 0.01\text{mm}$
- Measuring units: Metric and Imperial
- Pipe diameter range: from 100mm to 1200mm
- Pipe wall thickness range: from 10mm to 150mm
- Multiple HMI data display formats
- Standard CSV report generation
- Dedicated shifting mechanism for maintenance access

Options:

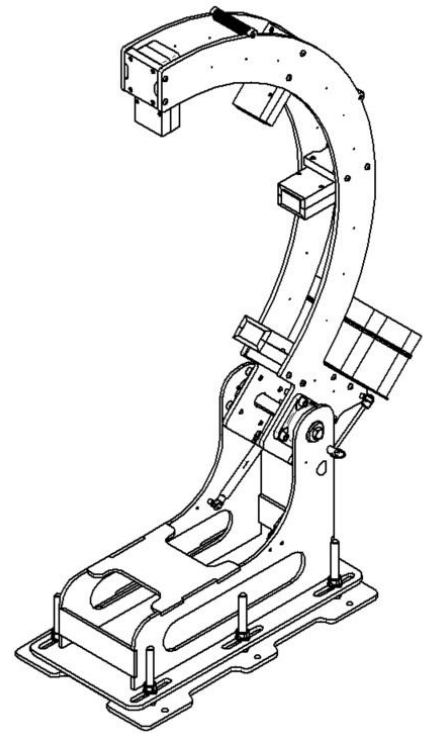
- Calibration via final product data
- Integration with Sysmetric weight per length control
- Integration with Sysmetric Vision MES software

WTG System Components:

- Standalone stainless-steel chassis
- 4 GSET Radar Sensors
- PC-based Monitor and Control HMI

Specifications:

- Sensor FMCW Radio TX/RX frequency
- FCC Part 15 compliant
- Transmit power: less than 1 mWatt at 3m distance.
- Operation power: 110/220 VAC – 50/60 Hz
- Optional remote access: 3G/4G
- Operating conditions: Industrial 0 – 45 °C.



System Dimensions:

Model	WTG 100-400	WTG 250-600	WTG 600-1200
A	1550	1800	2220
B	400	400	400
C	910	910	1045

All Dimensions are in mm
Model number indicates pipe OD range

