



SONOWALL® 70

HT Working Kit

For Ultrasonic High Temperature

Testing up to 550 °C

Complete Solution for SONOWALL® 70 Gauge

A large part of Ultrasonic Thickness and Corrosion Measurements are carried out on hot test subjects. These are mainly hot pipes in oil, gas, and petrochemical industrial plants.

The SONOWALL 70 High Temperature Corrosion Kit enables manual high temperature corrosion inspections during plant operation up to 550°C. By using the complete kit, plant availability and productivity can be improved significantly. Your advantages:

- No production shutdowns necessary
- Effective and reliable data collection
- MS-Excel reports and SQLite data

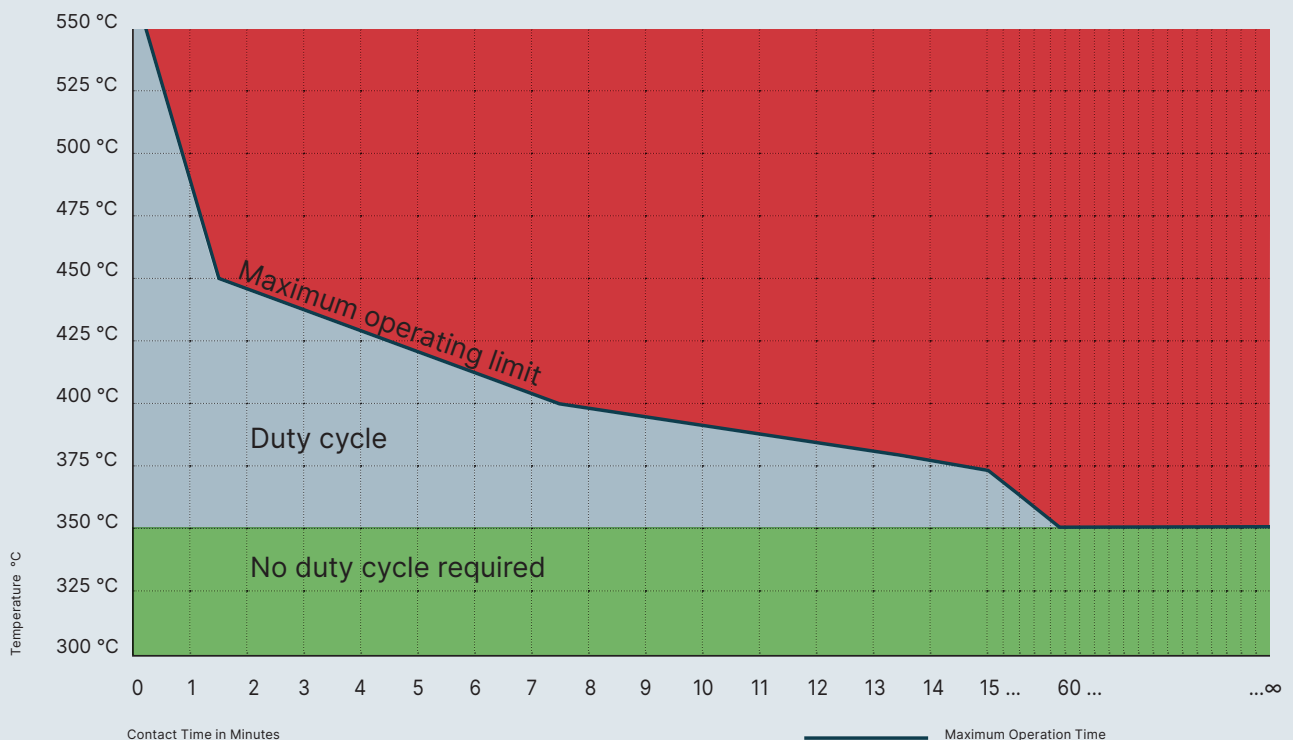


Corrosion
Testing up to
550 °C.

Plot of duty cycles Ultrasonic Probe: SONOSCAN TS5H

The cooling time above 350°C is slightly shorter than the heating time. For example: after 2 minutes inspection and heating at 400°C the ultrasonic probe needs to cool for 1 minute before re-using it.

Temperature in °C	Contact Time in mm:ss
50 ... 350	Unlimited
380	13:30
400	07:30
450	01:30
550	00:15



SONOGRID

Corrosion Management Software for Gauge and PC



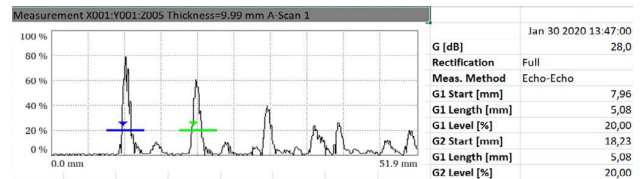
Corrosion and erosion defects are among the most common safety risks and reasons for production break downs in industrial environments such as refineries, pipeline networks, chemical plants, offshore platforms, storage tanks, etc.

In order to maintain assets and to avoid hazards, ultrasonic thickness measurements are typically recorded frequently at pre-defined points creating a virtual grid on the surface of the test object.

To simplify and efficiently support the collection, organization and logging of the measured values, the SONOWALL 70 ultrasonic thickness gauge can be equipped with the SONOGRID corrosion management software. The software offers:

- Efficient and reliable data acquisition with color-coded visualization of the test grid
- Direct data export and report generation with MS Excel, including linked A-scans, B-scans, comments, setups, and more

Th [mm]	Z001	Z002	Z003	Z004	Z005	Z006	Z007	Z008	Z009	Z010
X001:Y001	0,50	4,85	6,20	6,10	9,99	10,00	10,00	10,00	10,00	10,00
X001:Y002	10,00	10,00		7,96	7,96	7,96	7,96	7,96	3,64	3,64
X001:Y003	3,64	3,64	3,64	3,64	3,64	6,12	6,12	6,10	6,10	6,48
X001:Y004	3,67	3,67	3,67	3,67	3,67	3,67	3,67	4,23	12,49	12,49
X001:Y005	12,49	12,49	12,49	10,00	10,00	10,00	10,00	10,00	10,00	10,00
X001:Y006	7,48	7,48	7,48	7,48	7,48	7,48	7,48	7,48	7,48	7,48
X001:Y007	7,48	5,02	5,02	5,02	5,02	5,02	5,02	5,02	5,02	5,02
X001:Y008	5,02	5,02	5,98	4,96	4,96	5,02	5,17	5,02	5,02	5,02
X001:Y009	5,02	5,02	5,02	5,02	5,02	1,89	2,00	2,00	1,97	2,56
X001:Y010	2,56	2,59	2,06	2,06	2,06	2,06	2,06	2,06	2,65	2,03
X002:Y001	4,01	4,01	4,01	4,01	4,01	4,01	4,01	4,01	4,01	4,01
X002:Y002	9,97	9,97	9,97	9,97	9,97	7,96	7,96	7,96	7,97	6,00
X002:Y003	6,00	6,00	6,00	6,00	6,00	6,00	6,00	6,00	6,00	4,01
X002:Y004	4,01	4,01	4,01	4,01	4,01	4,01	4,01	4,01	4,01	4,01
X002:Y005	4,01	2,03	2,03	2,03	2,03	2,03	2,03	2,03	2,03	2,03
X002:Y006	7,51	7,51	7,51	7,51	7,51	7,51	7,51	7,51	7,51	7,51
X002:Y007	7,51	7,51	7,51	7,51	7,51	7,51	7,51	10,00	10,00	10,00
X002:Y008	10,00	10,00	10,00	10,00	10,00	10,00	10,00	10,00	10,00	10,00



Complete Kit

- SONOWALL 70 - High-End A-/B-scan thickness gage with powerful pulser up to 400V
- Temperature compensation | Function for automatic adjustment of the sound velocity of hot test objects
- SONSOCAN TS5H Ultrasonic Probe | for precise high temperature measurements up to 550°C including armoured cable and handle extension
- SONOGRID Corrosion Management | Software - for efficient collection of linear/2D/3D matrix data
- Heavy Duty Impact Protector Set | for maximum protection against shocks and drops



Contact and Support

SONOTEC GmbH
 Nauendorfer Str. 2
 06112 Halle (Saale)
 Germany

+49 (0)345 / 133 17-0
 sonotec@sonotec.de
 www.sonotec.eu
 Certified according to ISO 9001

SONOTEC® is a registered trademark

Rev. 4