

Introduction

The AlphaGage+ CPDL measures the wall thickness of a pipe or vessel and hence can be used to identify and measure corrosion and/or erosion of the material. Wear rates can be calculated and used to estimate when the minimum allowable thickness will remain. The instrument can be used for mapping of pipes and vessels with the result held in a table (T-log) for storage, analysis and reporting.



Figure 1 Alphagage

Industries

- Aerospace Aeronautical Inspection
- Aerospace Astronautical Inspection
- Chemical & Petrochemical Sector
- Oil & Gas Sector
- Nuclear Energy Sector
- Military Sector
- Maritime Shipping Industries
- Automotive Industry
- Pharmaceutical Sector
- Mining Sector
- Construction and Infrastructure
- Technology & Research
- NDT Service Providers

Application

- Corrosion / Thickness measurement
- Casting / Forging Inspection
- Composite Material Inspection
- Plastics Inspection
- Storage Vessel Inspection
- Material Bonding Inspection
- Asset integrity

Typical Parts

- Pipelines
- Storage Vessels
- Pressure Vessels
- Rails

Inspection Techniques

- Manual UT

Features and Benefits

- Datalogger
- 27 Hour Battery life
- Rugged design
- System alarms

For further information or support, please contact the Sonatest Applications Team: applications@sonatest.com

Recommended Tool Package

Category	Part #	Description
Acquisition Unit	ALPHAGAGE+ CPDL	Corrosion gauge with accurate thickness data logging
Probe	PDEM3750	Dual element compression transducer Frequency: 5 MHz Diameter: 3/8"
Calibration Block	152062 or 152060	Twin transducer cable TPC-LD or Twin transducer cable TPC-BD

Get in touch with your local Sonatest expert, available in more than 50 countries over 5 continents!



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