

ONH analyser Bruker G8 Galileo & IR07

Technical data

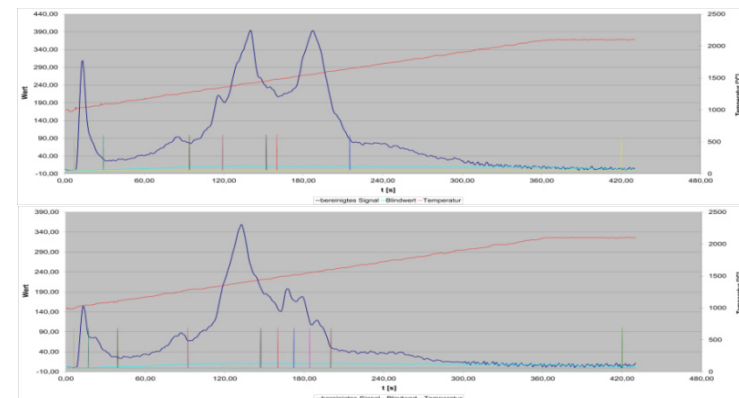
- Analysis system for the determination of oxygen, nitrogen and hydrogen in solids consisting:
- G8 Galileo carrier gas melting extraction furnace:
 - Analysis temperatures up to 2500 °C
 - Determination of: Oxygen 0.1 ppm-0.5%
Nitrogen 0.1 ppm-0.5%
Hydrogen 0.01-1000 ppm
in steel, copper, titanium and aluminium
 - Fractional analyses with temperature cycles that can be regulated
 - Calibration gas device
- IR07 infrared furnace for hydrogen determination through carrier gas artificial ageing
 - Analysis temperatures up to 900 °C
 - Fractional analyses with temperature cycles that can be regulated

Areas of use / applications

- Determination of diffusible and total hydrogen contents in weld seams and base materials
- Determination of oxygen contents for quality assurance and the development of filler materials
- Nitrogen determination to ascertain the ageing tendency/alloy stabilization of austenites
- Support when analysing instances of damage



Analysis system consisting of infrared furnace and melting furnace to determine the hydrogen/oxygen/nitrogen content in steel, copper, aluminium and titanium



Fractional oxygen analysis of various weld seams