

Laboratory on the go – mobile metals analysis



QUALITY CONTROL

Mobile quality control of metals

Seamless quality control is essential in the metal production industry at multiple stages of production.

The PMI-MASTER Pro2 is the ideal instrument for metal processing companies looking for a mobile and robust metals analyser. The optical emission spectrometer (OES) offers extraordinary long battery life and superior precision of results.

The preinstalled GRADE Database is the largest metals database on the market for fast and easy grade identification. It offers over 12 million records for 339,000 materials from 69 countries and standards – no time consuming research in norms and grade catalogues.



Technical Specifications

Height / width / depth	360 mm	575 mm	370 mm
Weight / battery / cart	25 kg	13 kg	80 kg
Power / operating / standby	24 V DC	500 W	40 W

Optical System

Multi-CCD	Paschen-Runge mounting
Wavelength range	165 – 420 nm (with UVTouch)
Focal length	350 mm

Battery

Spark measurements	Up to 750 (with battery cart)
Arc measurements	Up to 500 (with battery cart)

Probe (optional): Arc / spark / combi / UVTouch

Multifunctional arc / spark / combi adapter head with LEDs for pass / fail sorting			
Weight arc / spark / combi	1 kg	1 kg	1.5 kg
Cable length	4 m / 8 m		
UVTouch	Low C, P, S, Sn, As, B in steel, N in duplex steel, up to 10 m cable length, 2 kg weight		

Software and User Interface

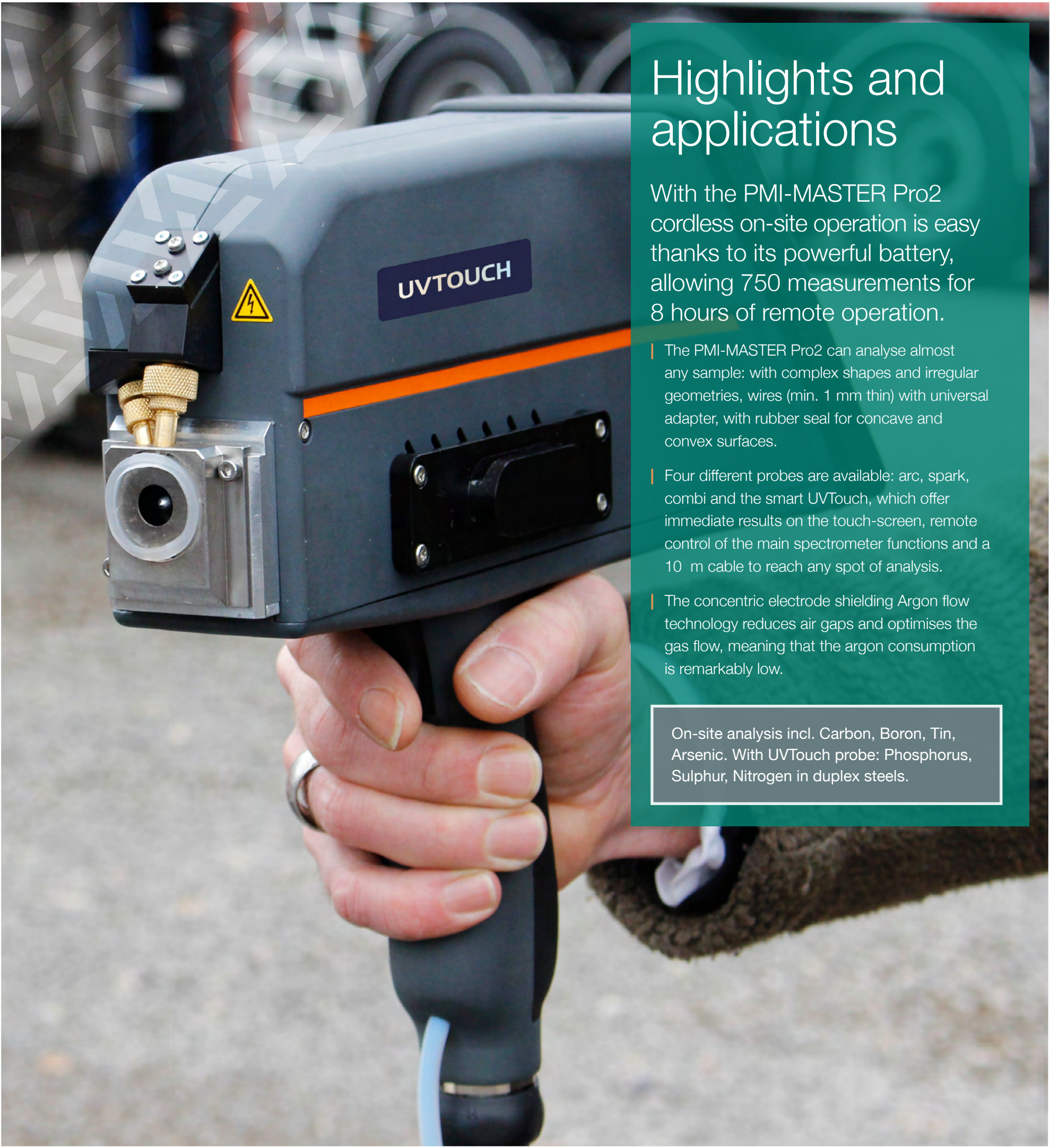
Internal computer unit, Microsoft® Windows®, touch screen user interface
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Highlights and applications

With the PMI-MASTER Pro2 cordless on-site operation is easy thanks to its powerful battery, allowing 750 measurements for 8 hours of remote operation.

- | The PMI-MASTER Pro2 can analyse almost any sample: with complex shapes and irregular geometries, wires (min. 1 mm thin) with universal adapter, with rubber seal for concave and convex surfaces.
- | Four different probes are available: arc, spark, combi and the smart UVTouch, which offer immediate results on the touch-screen, remote control of the main spectrometer functions and a 10 m cable to reach any spot of analysis.
- | The concentric electrode shielding Argon flow technology reduces air gaps and optimises the gas flow, meaning that the argon consumption is remarkably low.

On-site analysis incl. Carbon, Boron, Tin, Arsenic. With UVTouch probe: Phosphorus, Sulphur, Nitrogen in duplex steels.



Our Service

Our global network of service hubs offers a full range of technical support to keep you up and running.

Telephone help-desks

For a fast response to your problem.

Consumables and accessories

From electrodes to spare part kits.

Recertification and maintenance

Ensures your analyser produces the right result year after year.

Training

Understand your analyser and its features.

Extended warranties

Avoid unplanned costs.

Repairs

Fast and efficient turnaround.

MORE INFORMATION

To find out more about the PMI-MASTER Pro2 mobile analysers, visit:

www.hitachi-hightech.com/hha

Other products

We have been providing industrial analysis products for the manufacturing industry for over 40 years.

| **Handheld LIBS:** latest technology for 1-second alloy identification with no X-rays.

| **Handheld XRF:** for fast, reliable, non-destructive identification and analysis of alloys.

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Science for
a better tomorrow