Laboratory on the go – mobile metals analysis
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

<table>
<thead>
<tr>
<th>Height / width / depth</th>
<th>360 mm / 575 mm / 370 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight / battery / cart</td>
<td>25 kg / 13 kg / 80 kg</td>
</tr>
<tr>
<td>Power / operating / standby</td>
<td>24 V DC / 500 W / 40 W</td>
</tr>
</tbody>
</table>

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

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.

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.

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.

MORE INFORMATION

To find out more about the PMI-MASTER Pro2 mobile analysers, visit: www.hitachi-hightech.com/hha