TECHNICAL SPECIFICATIONS

HITACHI
Inspire the Next

PMI-MASTER Pro2

PMI-MASTER Pro2:

- Height: 575 mm/ 760 mm (22,6" / 29,9 ").
- Width: 360 mm (14.2").
- Depth: 370 mm (14.6").
- Weight: 25 kg (55 lbs).
- Power: 24 V DC.
- Max consumption: 500 W.
- Stand by: 40 W.

Optical system:

- Multi-CCD optics in Paschen-Runge mounting and optimised pixel resolution.
- Focal length: ca. 350 mm.
- Reciprocal dispersion: 0,93 nm/mm (1st order).
- Wavelength range: 185 - 420 nm.

Computer system:

Internal computer unit using up-to-date technology with Microsoft® Windows® and touch screen user interface.

Excitation source (solid state):

- Computer controlled parameters
- Max. pulse current: 110 A Arc current: 1.8 - 2.5A.
- Max. pulse energy: 0.40 Joule.
- Max. pulse duration: 120 µs.
- Frequency: 100 - 350 Hz.
- Voltage: 250 - 350 V.
- High Energy Pre SPARK (HEPS).

Options:

- Spark probe (4 m cable length), weight 1.5 kg.
- Arc probe (5m cable length with fixed adapter), weight 1.5 kg.
- Combi probe arc/spark (4 m cable length).
- UV Touch probe (4 m cable length).
- Probes >4 m cable available (8 m).
- External keyboard, mouse, printer.
- Spare parts kits.

Battery:

- Technology: Lead gel battery
- SPARK measurements: up to 120/750 (using standard parameters).
- ARC measurements: up to 80/500 (using standard parameters).
- Small battery/Cart battery

Typical applications:

- Steel alloys.
- L grade segregation in stainless steel.
- N*, C, P*, S*, Sn*, As*, B* analysis in steel.
- Al alloys ~ Al-Si ~ Al-Si-Cu.
- Cu-Sn ~ Cu-Zn.
- Cu, Ni, Zn, Co, Mg, Pb, Sn and Ti alloys.

*With UVTouch probe

Probe:

- UVTouch probe to analyse UV elements and low carbon content.
- On-probe touch display for instrument control and convenient analysis.
- Detachable probe unit.
- Jet-Stream technology.
- Weight: 2 kg (4.4 lbs).
- Cable length: 3 m (ca. 9 ft 10").
- Wavelength range: 165 - 210 nm in probe optics.

UVTouch probe