

## PMI-MASTER Smart

Height	235 mm (9.3")
Width	410 mm (16.1")
Depth	425 mm (16.7")
Weight	15 kg (33 lb)
Power	28.8 V DC
Max consumption	500 W
Stand by	25 W

## Optical System

Flat field Multi-CCD optics	
Focal length	ca. 300 mm
Reciprocal dispersion	1.75 nm/mm (1st order)
Wavelength range	185 - 420 nm
Peak coverage up to 671 nm (for Cu, Na, Li)	

## Excitation source (solid state)

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

## Battery

Technology	LiFePO <sub>4</sub>
SPARK measurements	up to 300 (using standard parameters)
ARC measurements	up to 200 (using standard parameters)

## Probe

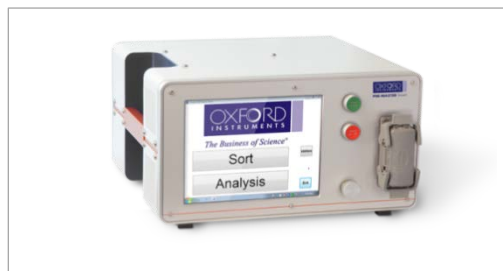
UVTouch probe to analyse UV elements and low carbon content	
On-probe touch display for instrument control and convenient analysis	
Detachable probe unit	
Jet-Stream technology	
Weight	2 kg (4.4 lb)
Cable length	3 m (ca. 9 ft 10")
Wavelength range	165 - 210 nm in probe optics

## Computer System

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

## Options

- Spark probe (3 m cable length; fits into stackable case)
- Arc probe (3 m cable length with fixed adapter; fits into case)
- Probes >3 m cable available (do not fit into stackable case)
- Foldable trolley for transportation cases
- Cart to accommodate **PMI-Master Smart**, probe, 10l Argon cylinder and accessories/tools
- External keyboard, mouse, printer
- Spare parts kits



## 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



UVTouch probe in stackable case