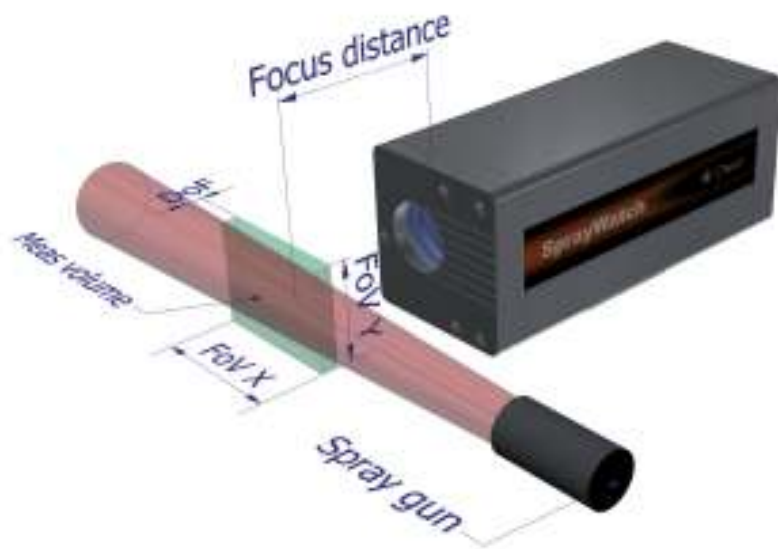


SprayWatch



SprayWatch 2S scientific uses a novel patented pyrometric filter design for repeatable temperature and particle measurement without frequent re-calibrations. On-line adjustment of the optics allows for diagnostics of a wide variety of processes with the same system matching the measurement area to the plume width for best results.

Measured parameter	Range
Particle temperature	1000 – 4000°C
Particle velocity	1 – 2000 m/s
Relative flux	relative value or particle count
Spray position	-12 – +12 mm
Spray width	1 – 53 mm
Spray angle	+10° – -10°
Spray divergence	0 – +15°
Particle size	10 µm
Measurement area (WxH):	adjustable from 15 x 13 mm to 53 x 47 mm
Dimensions (WxHxD)	100 x 100 x 260 mm
Weight	abt. 3 kg
Cooling	Filtered compressed air

NOTE 1: values indicated are typical but not absolute. The range will somewhat depend on the the process and application.

All measurements are factory calibrated no need for field calibration

For Plasma, HVOF, HVOF, Wire-arc, Detonation, Flame spray processes



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For daily quality control



Everything on a single page for daily process monitoring and quality control.

For process&coating development



More detailed historical data for developing best coatings with lowest cost.

For detailed distribution data



Distribution of particle speed, position in the plume and plume density.

Options

- Substrate temperature measurement
- Synchronization unit for detonation spraying
- Sturdy carry case for easy portability
- CMS central monitoring system for larger installations

Fast and accurate hot particle diagnostics for research and quality control



SprayWatch 2S system is your best choice for all thermal spray processes to:

- Optimize coating performance & deposition efficiency
- Offering best control of coating thickness per pass
- Minimizing use of materials and resources and waste to save cost and the environment
- Maximizing your profitability

SprayWatch

oseir.com/spraywatch-2s

*Best thermal spray
diagnostics tool*