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# HSF series portable CWD spectrophotometers



**URAI**<sup>®</sup>

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The HSF series portable CWD spectrophotometers are a new generation instrument designed to measure colour using XENON+LED technology; they are equipped with factory pre-installed Colour Quality Control software.

D/8° diffused sphere type instruments for reflection measurements, ideal to measure colours during colour quality control and formulation tests.

The instruments feature a compact and ergonomic design, a 3.5 inch colour touch screen display, a built-in camera to view the colour and a USB interface for PC communications.



## MAIN FEATURES

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Model	HSF100	HSF200	HSF300
<b>Interior instrument agreement</b> (Measure standard deviation of the CHNSpec-BCRA Ceramic tiles under condition 11mm UV400-23°C- SCI)	XLAV ΔE*ab 0.25	XLAV ΔE*ab 0.2	XLAV ΔE*ab 0.12
<b>Repeatability</b> (Measure white tiles 30 times at 5s intervals under condition 11mm UV400 SCI mode)	ΔE*ab≤0.02	ΔE*ab≤0.01	ΔE*ab≤0.01
<b>Light source</b>	LED+Xenon	LED+Xenon	LED+Xenon
<b>Measurement area</b>	Φ11mm, Φ6mm	Φ11mm, Φ10mm Φ6mm, Φ3mm	Φ11mm, Φ10mm, Φ6mm, Φ5mm, Φ3mm, 1mm*3mm
<b>Bluetooth</b>	Yes	Yes	Yes
<b>Geometry</b>	D/8, SCI+SCE	D/8,SCI+SCE	D/8,SCI+SCE
<b>Wavelength</b>	360-740nm	360-780nm	360-780nm
<b>Light source lifetime</b>	6 million times	10 million times	10 million times