Technical Specifications NCS Colourpin II vs. PRO

Technical data	Colourpin II	Colourpin PRO
Sheen affects measured scan	Yes	No
Most Closely Mimics	Colour Appearance	Actual Colour
Repeatability (Short Term)	0.10 ∆E00	0.05 ∆E00 on White Ceramic Tile*
Inter-Instrument Agreement	<0.30 ∆E00 Average**	0.25 ∆E00 Average**
Illumination Types	D50, (D65, F2, F7 and A***)	D50, (D65, F2, F7 and A***)
Light Source	Full Spectrum LEDs	Full Spectrum LEDs
Light Source Lifespan	1,000,000+ Scans (500+ hours)	1,000,000+ Scans (500+ hours)
Battery Capacity	280 mAh (~5000 Scans)	200 mAh (~250 Scans)
Battery Charge Time	<60 minutes to full charge	<60 minutes to full charge
Measurement Size	4mm Diameter	6mm Diameter
Measurement Time	2 Seconds	1.5 Seconds
Measurement	3 Data Points, XYZ	3 Data Points, XYZ
Observers	10°	2° and 10°
Optical Geometry	45 / 0	Sphere, Diffused 0°, Specular Component Included (d / 0, SCI)
Calibration Frequency	Every Connection	Every 1000 scans
Calibration Material	White calibration cap	White Ceramic Tile (Included)

*Repeatability: 20 measurements at 45 second intervals. Delta E calculated to average Lab values from all measurements
**Inter-Instrument Agreement: Calculated measurements on 12 ceramic tiles to center unit
***Only available for comparisons

NCS