



# POINTSCAN MEASUREMENT SYSTEM<sup>®</sup> SPECIFICATIONS SHEET

## SCANNING INSTRUMENT



PointScan<sup>®</sup> unit pictured atop a pressure indicating film image of a fuel cell

The new POINTSCAN Measurement System<sup>®</sup> is a user-friendly PC-based scanner that enables quick and easy determination of pressure magnitude at any point on the surface of our Pressurex/ Fuji Prescale<sup>®</sup> films. The system consists of a Densitometer (scanning instrument), interconnect cables, and conversion software. There is no training required, and very little to learn. Simply enter the requested data (temperature, humidity, time of exposure, and film type) as the system prompts, and pressure magnitude will be displayed in either Metric or English units. The system can read and interpret all five types of Pressurex/Fuji Prescale<sup>®</sup> film. Measurements can be outputted to your computer's printer or exported for further analysis in Excel<sup>®</sup> or Lotus<sup>®</sup>.

Significant improvements over previous versions include much greater scanning accuracy, Metric and English standards, PC based output to your existing printer, AC operation, multiple aperture dimensions, sturdier scanning instrument, the ability to read Ultra Low (our lowest range) film, and the ability to obtain software upgrades. All parts have a one year warranty, and all software upgrades are free of charge for the first year.

**SYSTEM PRICE: \$3,800**  
Model PDSM

### SYSTEM SPECIFICATIONS

Spectral Analyzer	Holographic diffraction grating with 128 pixel diode array
Optical Resolution	10nm
Physical Sampling Interval	3.5nm
Interface	USB 1.1
Physical Dimensions	Length 151mm, width 66mm, height 67mm (6 x 2.6 x 2.6 inches)
Weight	0.4 lb (0.19 kg)
Measurement geometry	45°/0° ring illumination optics, DIN 5033
Light source	Gas filled tungsten (Type A) No or UV cut (Filters not exchangeable)
Inter-instrument agreement	Average DE*94 0.4, max. DE*94 1.0 (Deviation from X-Rite manufacturing standard at 23°C for single measurement mode on 12 BCRA tiles (D50,2°))
Short-term repeatability	DE*94 <= 0.1 (D50,2°), with respect to the mean CIELab value of 10 measurements every 3 seconds on white
Data format	Spectral radiance (mW/nm/m <sup>2</sup> /sr); Luminance Y (cd/m <sup>2</sup> )
Measurement range	0.2 ... 300 cd/m <sup>2</sup>
Short-term repeatability	x,y: +/- 0.002 typical (CRT 5000°K, 80 cd/m <sup>2</sup> )
Type	Cosine-corrected diffuse light measurement head
Diameter	0.24 in (6.0 mm)
Data format	Spectral irradiance (mw/nm/m <sup>2</sup> ), Illuminance Y (lux)
Power supply	Device powered by USB. USB 1.1 high power device
Compatibility	Windows <sup>®</sup>

TACTILE PRESSURE EXPERTS



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