

ISO 21550:2004-10 (E)

Photography - Electronic scanners for photographic images - Dynamic range measurements

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Test chart	4
4.1	Representation and recommended size	4
4.2	The reflective test chart	5
4.3	The transparent test chart	6
5	Test conditions	6
5.1	General	6
5.2	Temperature and relative humidity	6
5.3	Luminance and colour measurements	7
5.4	Scanner settings	7
6	Measuring the Scanner OECF	7
6.1	General	7
6.2	Scanner settings	7
7	Calculation of the scanner dynamic range	8
7.1	Luminance OECF	8
7.2	Scanner dynamic range	8
7.3	Determination of the signal to noise ratio	8
8	Presentation of results	9
8.1	General	9
8.2	Scanner OECF	10
8.3	Scanner dynamic range measurements	11
Annex A (normative) Scanner OECF Test Patches		12
Annex B (normative) Density shift to measure ISO scanner dmax		13
Bibliography		14