



Overview

Product name	TE259 D
Principle	A test chart designed to check the dynamic range of broadcasting cameras on a waveform monitor.

Features

OECF

Type/s of pattern	Two graduated counter current grayscale are arranged on a gray background.
Contrast	10 000:1 (80 dB, 13 f-stops)
Quality	Standard version
Number of steps	20
Arrangement of steps	Not logarithmically nor linear.
Density / Reflection values	Individually measured values are provided in a separate Acceptance Protocol. Densities are measured relative to the brightest patch. Production tolerance is ± 0.03 OD.
Surface finish	The film patches of transparent charts may show scratches. This issue does not affect the test chart's function, as the scratches are not visible under standard illumination geometry. We also recommend recording the OECF chart slightly out of focus to obtain a stable average value in the result.

General description hardware

Type	Transmissive		
Aspect ratio	16:9		
Chart size tolerances	+/- 2 mm as they are handmade in-house and depend on edge protection type		
Chart size [W x H x D]	W [mm]	H [mm]	D [mm]



	D280	360	280	4.6
	D240	320	290	4.6
	D240S	360	280	4.6

Picture size	16:9		
		W [mm]	W [mm]
	D280	280	280
	D240	240	240
	D240S	240	240
Material	Photographic film, screening/halftone method		
Mounting	Embedded between glass plates		
Edge protection	Fabric tape, might have influence to chart thickness tolerance		
Chart size tolerances	Up to +/- 2 mm as they are handmade in-house and fabric tape is used		
Service life	Photographic film three years		
Storage	Dark, dry, and free from harmful gas (e.g., formaldehyde or ozone). 20 °C and 25 °C with a humidity of 60% – 65% and no direct sunlight at any time.		
Scope of delivery	Stable cardboard envelope		

Miscellaneous

Evaluation / Assessment	Supported by iQ-Analyzer-X, waveform monitor
Reference data iQ-Analyzer-X	Individual reference file is provided
Measurement device	X-Rite 361T (transparent charts) https://www.image-engineering.de/content/products/charts/IE_reference_data_accuracy.pdf
Accessories	Chart case
Related Products	LE7, LG3, LG4
Terms & Conditions	image-engineering.de/terms-and-conditions