

Trans-4V: Optical Densitometer

Measure Optical Density of Films, Foils Paper etc.

- Built-in light source (Trans-4V)
- Press-button operation
- Portable, battery operated
- Auto Zero
- Excellent repeatability

Introduction

Trans-4V is a battery operated hand-held black and white transmission Densitometer with built-in light source. It has achieved the accuracy and stability not so far offered in portable / field instruments. It's size and shape makes it an ideal portable instrument for use in the plant or in the field as well as in the laboratory.



(Trans-4V)

(Trans-4E)

The Trans-4V has its own light source and Trans-4E has an external sensor with 1 meter cable. It is used with an external light source, like a film viewer. Keypad controls for POWER, LAMP, ZERO and READ to set zero. Insert film and press Read to get optical density D. These easy to use compact instruments measure optical density of films mostly used for X-Ray films and printing / photography films. Trans-4 has a range of 0 to 4 D with accuracy of ± 0.01 D.

	Trans-4V	Trans-4E
Colour Response	Trans-4E (External)	
Light Source	Built-in Sensor & Lamp	Needs external light source such as a film viewer
Measuring Range Measuring Range (aperture) Measuring Length (throat depth) Measuring Accuracy	0.00 D to 4.00 D 2.0 mm dia 150 mm ± 0.02 D	
Repeatability	± 0.02 D	
Stability – Zero Stability – Slope	± 0.02 D per 8 hrs max $\pm 1\%$ per 6 months max	
Temperature – Operating Temperature – Storage	10 ° C to 50 ° C -30 ° C to 50 ° C	
Display	3 ½ digit LCD (10 mm)	
Keypad controls	On, Zero, Read, Auto Off	
Battery	Approximately 1000 readings	
Battery Check	Low Bat legend in display	
Battery	5 penlite dry cells Giving 50 to 60 Hours	
Dimensions H x W x D (mm)	190 x 78 x 55	190 x 78 x 55 + External Probe
Weight (with battery)	745 grams	782 grams

