

# LCM IV

The LCM IV is a reliable color instrument which replaces conventional visual color evaluation with an objective measurement. It is ideal for routine production control of clear, transparent liquids like resins, adhesives and solvents.

- Large 7" touch-screen display with intuitive user guidance for simple operation
- Automatic cuvette detection – avoids faulty data measurement
- Works with 10 and 50 mm rectangle as well as 11 mm round cuvettes for optimum precision
- Easy to exchange rectangular cell compartment
- Gardner, Hazen (APHA/PtCo), Iodine, Saybolt and Mineral oil scales come standard with instrument
- Reference beam design to maximize the accuracy and precision
- Front USB interface for PC or printer connection
- Easy data transfer into existing networks through integrated Ethernet (LAN) interface



## Standards

<b>ASTM</b>	D 156, D 1045, D 1209, D 1544, D 1500
<b>DIN</b>	6162
<b>ISO</b>	4630, 6271, 2049

## Ordering Information

Cat. No.	Description
<b>9561</b>	LCM IV

### Comes complete with:

Instrument with dust cover  
 External power supply  
 Adapter for 10 mm rectangle cuvettes  
 addista® – color standards  
 Disposable plastic cuvettes (10x50 mm) – pack of 10  
 Disposable glass cuvettes (11mm) – pack of 10  
 Operating manual

## Technical Specifications

<b>Voltage</b>	100 - 240 V, 50 / 60 Hz
<b>Type</b>	Single-beam photometer with reference beam path
<b>Spectral Range</b>	380 to 720 nm, 10 nm resolution
<b>Repeatability</b>	± 2 Hazen <sup>2</sup> , ± 0.1 Gardner <sup>1</sup>
<b>Reproducibility<sup>3</sup></b>	± 0.3 Iodine, ± 5 Hazen, ± 0.3 Gardner
<b>Light Source</b>	Tungsten Halogen Lamp
<b>Illuminant/Observer</b>	C/2°
<b>Indices</b>	Hazen / APHA (0 to 1000), Gardner (0 to 18), Iodine (0 to 120), Saybolt (-16 to 30), Mineral Oil (ASTM D 1500) 0 to 8
<b>Memory</b>	400 color measurements
<b>Data Export</b>	*.csv file to USB memory stick or Ethernet
<b>Interface</b>	2x USB Typ A, 2x USB Typ B, 1x Ethernet (LAN)
<b>Operating Temperature</b>	10 - 40 °C (50 - 104 °F)
<b>Humidity</b>	up to 80%, 35 °C (95 °F); non condensing
<b>Dimensions</b>	151 x 350 x 250 mm (5.9 x 13.7 x 9.8 in.)
<b>Weight</b>	4.2 kg (9.25 lbs)

<sup>1</sup> Based on data with 11 mm cuvette

<sup>2</sup> Based on data with 50 mm cuvette

<sup>3</sup> Based on data with 50 mm cuvette for Hazen and 11 mm cuvette for Iodine and Gardner