

**COLORIMETERS**

Colorimetry is the measurement of colour. Variations in the colour of a product can indicate differences in its purity, composition or deterioration. Seta-Lovibond colour comparators offer a choice of instruments suitable for all major colour test methods. The instruments are simple to use and eliminate the subjective assessment of colour associated with visual comparisons.

- Automatic operation
- Multiple colour scales including ASTM and Saybolt
- Rapid measurement < 25 seconds
- Objective colour measurement
- RS232 interface

**15260-3 SETA MULTICOLOUR AUTOMATIC COLORIMETER**

**ASTM D156; D1209; D1500; D5386; D6045; E308; IP 196; ISO 2049; ISO 2211; BS 2000 Part 196; BS 5339; BS 5859; FTM 791 102; DIN 51 411; NF T60-104; NF M07-003; JIS K2580**

An automated spectrometric colorimeter designed for rapid colour analysis of petrochemical products, the 15260-3 is selectable for Saybolt, ASTM, Pt-Co/Hazen/APHA, spectral data and CIE colour determinations. Parameters are entered via a menu system, and subsequent testing is initiated by a single key press with results available within 25 seconds. Up to 32 results can be stored in the on-board memory. The instrument can also be controlled and data processed on an IBM compatible personal computer using the software provided.

**SUPPLIED WITH:** software, 33mm optical glass cell, 50mm optical glass cell, ASTM Color 3.5 certified glass conformance filter, spare lamp, universal power supply and instruction manual.



15260-3



SOFTWARE INCLUDED



CALIBRATION & VERIFICATION MATERIALS

**15320-0 SETA-LOVIBOND HIGH PRECISION COLORIMETER**

**ASTM D156; D1209; D1544; D1500; D6045; IP 17 Method A & B; IP 196; BS 5339; BS 5859; ISO 2049; DIN 51 411; NF M07-003; JIS K2580**

The 15320-0 is a high precision version of the 15260-3 Seta Multicolour Automatic Colorimeter. The instrument provides determinations in Saybolt colour, ASTM Colour, Pt-Co/Hazen/APHA Colour, Gardner Colour, Lovibond RYBN, IP Units, CIE values or spectral data.

An integral heater unit allows samples such as waxes to be maintained in a liquid state.

**SUPPLIED WITH:** software, 10mm, 100mm, 1 inch and 6 inch optical glass cells (one of each), Saybolt +10 calibrated glass conformance filter, spare lamp, universal power supply and instruction manual.



15320-0



SOFTWARE INCLUDED



CALIBRATION & VERIFICATION MATERIALS

Method	Colour Scale	15260-3	15320-0	Notes
ASTM D1500; D6045	ASTM Colour	0.5 to 8 Units	0.5 to 8 Units	Lubricating, heating and diesel fuel oils
ASTM D156; JIS K2580	Saybolt Colour	-16 (Darkest) to +30 (Lightest)	-16 (Darkest) to +30 (Lightest)	Light Coloured: Aviation Fuels, kerosenes, white mineral oils
ASTM D6045	Saybolt Colour	0 to 30	0 to 30	
ASTM D1209, D5386	Pt-Co/Hazen/APHA	0 to 500mg Pt/l	0 to 500mg Pt/l	Clear Liquids: Solvents, petroleum spirits, water
ASTM D1544, D6166	Gardner Colour	1 to 18 Units	1 to 18 Units	Pale Yellow to Red Liquids: Resins, varnishes, fatty acids
	Lovibond RYBN		R & Y = 0 to 70, B = 0 to 40, N = 0 to 3.9	
ASTM E308	CIE Values	Defined by spectrum locus		
Spectral Data (420 to 710nm)-	Transmittance	0 to 100%	0 to 100%	Full spectrum and specified wavelengths
	Optical density	0 to 2.5	0 to 2.5	Full spectrum and specified wavelengths