

# Lovibond® Water Analysis

Tintometer® Group



## EC 2000 Pt-Co

Advance from Visual (subjective) to Electronic (objective) Colour Measurement  
Immediate & Accurate - Straight from the Box  
Guaranteed Agreement with International Standards  
Display Results with On-Screen Colour and Numerical Options  
Digital, Portable, Push-Button Technology  
Immediate Reporting from Lab or On-Site

[www.lovibond.com](http://www.lovibond.com)



# EComparator Series

The Lovibond® EComparator Series provides an easy way to transition from subjective visual measurement to a non-subjective, accurate electronic measurement.

Colour graders who are used to the traditional comparator series sometimes find the upgrade or transition to an electronic system daunting. The assurance of relying on physical colour difference is diminished.

With the EComparator Series, viewers can view the colour difference with a simple click of a button to switch between:

On-Screen Colour

On-Screen Numerical Display

Touch screen technology makes the EComparator Series easily programmable with instinctive menus on screen. Users can set language\*, date and time, view preferences and create projects with individual tolerance settings. An on-screen warning system of:

Within Tolerance = Green;

Outside Tolerance = Red;

On Border of Tolerance = Amber

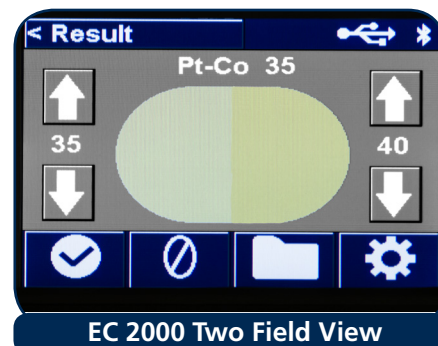
provides the user with immediate information on the sample.

The user friendly ergonomics and intuitive interface guarantee new users can be quickly trained and easily supported. Large data storage (> 20,000 readings) and USB connectivity ensure readings can be stored and shared easily and quickly. Flexibility is further enhanced with software packages for Windows® and multiple language\* support on-screen.

\* Supported Languages

English : French : German : Spanish : Italian : Chinese : Japanese : Russian

Lovibond® accuracy and efficiency is apparent throughout. EComparators are supplied with Certified Glass and Liquid Reference Standards enabling quick and simple validation. The instruments are equipped with an integrated light shield to protect the sample from ambient light and a flexible path length and cell choice (plastic or glass) for flexibility of application. With robust casing and a small laboratory footprint, the EComparator Series is the ideal solution for users wishing to experience the benefits of immediate, accurate, electronic readings: the best of both worlds.



## Specifications

Light Source		White LED (25 year lifetime)
Sensors		Tristimulus Detectors, Reference and Sample
Display	Size: Resolution: Colour:	3.5 inch 320x240 24 Bit (True Colour)
Touchscreen		Resistive
Keypad		3 key tactile membrane
Sample Chamber	Cell Type Filters	W100 Spectrophotometer EC Range Holders
Casing	Material Size	Flame Retardant ABS W 106mm x D 210mm x H 57mm
Power	Sources Batteries	USB or Battery 4 x AA
Interfaces		Bluetooth Low Energy (v4.0) USB 2.0 (mini USB receptacle)
Data Storage		> 20,000 readings
Temperature		Max Sample Temperature = 80 ° C





## Ordering Information

**Order Code: 162010**

Colour Scale	Pt-Co
Range	0 - 500
Resolution	1 Pt-Co Unit
Repeatability	+/- 3% +1 Pt-Co Units
Path Length	50mm
Standards	ASTM D1209
Comparator View	2 Field
Cells	3 x 50mm W100 (Plastic) 1 x 50mm W100 (OG)
Validation Liquids	1 x 60ml Bottle
Glass Standard	1

### PLATINUM-COBALT/HAZEN/APHA COLOUR (ASTM D 1209)/True Color Unit

The Pt-Co (Platinum Cobalt) Colour Scale is often referred to as either: the "APHA" Color Scale (American Public Health Association Color Scale); the "Hazen" color scale after Dr Hazen who developed the scale for the American Public Health Association; or, in some regions, the Color of Water or True Color Unit (TCU).

Originally defined by specified dilutions: range from 0 at the light end of the scale to 500 at the darkest.

The scale is used extensively in the water industry but also for clear oils, chemicals and petrochemicals such as glycerine, plasticisers, solvents, carbon tetrachloride and petroleum spirits.

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