Lovibond® Water Testing

Tintometer® Group

PTV 2000 with Bluetooth

Next Generation of On-line Turbidity Measurement

- ➤ Smart Interface - Rethink the Controller
- ➤ Simplified and Streamlined Processes
- ➤ Innovative, Low Maintenance Design
- ➤ Unsurpassed Accuracy for low-level effluent measurement

Part Number: 6145684

Process Simplified - A New Approach

Details matter. The development of the PTV Series considered every aspect of process turbidity workflow - from installation and setup; daily measurement and control; routine procedures such as calibration, verification and maintenance; to data collection and management.

Smart User Interface - Rethink the Controller

We've replaced the need for a traditional controller with the familiar interface of a smart device. By utilizing a mobile device app, the user experience is enhanced by allowing quick and easy data viewing, calculation of statistics and access to operator instructions and useful tips.

Designed to Save

Save time, money and water by using the PTV system. These instruments are optimised for drinking water applications with unsurpassed low range accuracy (below 1 NTU). It has a variety of features that help users save.

Regulatory Compliant

The PTV Series has instruments that meet EPA and ISO regulatory requirements.

Fluidics Manager

The Fluidics Manager is an additional accessory that streamlines sample flowing into and out of the instrument. This eliminates the need to install and maintain separate devices to control sample entering and exiting the sensor.

Panel Mounting System

A Place for Everything. The Panel Mount is an additional accessory that aids in the installation of key instrument components and accessories.

Two Ways to Interface

Touchscreen Interface - All PTV Series instruments are supplied with an integrated touchscreen. All measurement settings and routine functions such as calibration can be managed directly with the touchscreen without the need for additional devices.

AquaLXP™ Interface - The AquaLXP™ app is an enhanced version of the touchscreen. In addition to being able to perform all of the functions as the touchscreen, users have access to animated instructions of all procedures, advanced data analysis and statistics tools, complete maintenance and repair logs as well as the comfort of using a familiar device.

Wet Standards - for Calibration & Verification

T-CAL Turbidity Standards from Lovibond® Tintometer® are primary standards that are US EPA and ISO compliant.
When you combine our T-CAL Turbidity Standards and our T-CALplus™ packaging, turbidity standards have never been easier to use.

Industry

Chemical Industry | Food and Beverage Industry | Industries Others | Municipalities | Pharmaceutical Industry | Pool Public | Power and Energy

PTV 2000 with Bluetooth

Turbidity is the key measurement parameter for determining drinking water quality.

To develop this instrument, Lovibond® Tintometer® assembled a team of globally recognized turbidity experts. We tasked them with creating a new process instrument that addresses all of the issues customers struggle with while using their current turbidity systems. These advancements, along with the addition of state-of-the-art communications and user interface make the PTV 1000 and PTV 2000 the next generation of process turbidimeters.

For further information, films and interactive view go to PTV MICROSITE >>

Portability	Process
Environmental Conditions	5 - 50 °C, rel. humidity 5 - 95 % (Non-condensing)
Compliance	EPA
Protection Class	IP 65
Dimensions	158.5 x 340.4 x 334.5 mm
Weight	5 kg

Technical Data

Light Source	LED (red light)
Power Requirements	90 to 264 VAC, 50/60 Hz. Auto Select
Accuracy	±2 Percent of reading or smaller 0.008 / 8 mNTU
Stray Light	smaller 0.008 / 8 mNTU
Displayed Resolution	up to 0.0001 NTU (range dependent) or 5 digits displayed
Repeatability / Precision	better than 1% at 1 NTU
Initial Response	10 % change: 15 seconds @ max flow
Step Response	T-90
Signal Averaging	User Selectable: 1, 3, 6, 10, 30, 60, and 90 seconds, defaulted to 30 seconds
Sample Temperature	0 - 50 °C max sample temperature: 70 °C
Calibration	One Point Calibration at 5.0 or 20 NTU with any regulatory approved formazin
Sample Flow	30 to 500 ml/min, optimal flow: 50 to 80 ml/min
Interfaces	Bluetooth
Sample Inlet Connection	1/4-inch NPT female, 1/4-inch compression fitting tubing (included)
Sample Outlet (Drain) Connection	3/8-inch NPT female, 3/8-inch hose barb tubing (included)
Sample Inlet Tubing	1/4-inch OD or 6 mm OD
Sample Oulet Tubing	3/8-inch OD or 9 mm OD
Turbidimeter Body Drain	Quick connect with integrated check valve
Analog Output: Measurement Module	1 selectable 0 - 20 mA or 4 - 20 mA; output span programmable over any portion of the measurement range
Analog Output: Junction Box	1 selectable 0 - 20 mA or 4 - 20 mA; output span programmable over any portion of the measurement range
Alarms	Three set-point alarms, each equipped with an SPDT relay with unpowered contacts rated 5 A resistive load at 230 V, AC
Enclosure Type: Junction Box	Fiber reinforced polyester
Enclosure Rating: Junction Box	IP 66
Measuring Range	0.0001 - 100 NTU
Safety	Listed by TÜV Rheinland to UL 61010A-1: Certified by TÜV Rheinland to CSAC22.2 No. 1010.1: CE Certified by TÜV Rheinland to EN 61010-1
Immunity	CE certified by TÜV Rheinland to EN 61326 (Industrial Levels)
Emissions	Class A: EN 61326, CISPR 11, FCC Part 15, Canadian Interference-Causing Equipment Regulation ICES-003
Mounting Hardware	Turbidimeter Sensor - Slotted Mounting Bracket that can be affixed to any vertical surface or panel (Optional). Junction Box - Direct mounting to any vertical surface or panel (Optional)
Method of Verification	Wet Standards or dry verification device
Limit of Determination	0 NTU
Limit of Detection	0 NTU

Accessory

Title	Part Number
Calibration Tube Replacement (Blue)	19806-062
Complete Cleaning Kit	19806-063
Cleaning Tube Assembly (Black)	19806-072
Cleaning Accessory Kit	19806-112
T-CAL*plus*® -Standard, 0.30 NTU, Standard for Verification	48010035
T-CAL*plus*® -Standard, 1.00 NTU, Standard for Verification	48010135
T-CAL*plus*® -Standard, 5.00 NTU, Standard for Calibration	48010235
T-CAL*plus*® -Standard, 20.00 NTU, Standard for Calibration	48010335
T-CAL®-Standard, 0.30 NTU, 500 ml	48011050
T-CAL®-Standard, 1.00 NTU, 500 ml	48011150
T-CAL®-Standard, 5.00 NTU, 500 ml	48012250
T-CAL®-Standard, 20.00 NTU, 500 ml	48012350
Cleaning Solution	54010435
Detergent Solution	54011010
Scale Remover	54013003

Lovibond Türkiye Distribütörü | Rank Teknoloji Ltd. | www.rank.com.tr

Tintometer GmbH
Lovibond® Water Testing
Schleefstraße 8-12
44287 Dortmund
Tel.: +49 (0)231/94510-0
Fax: +49 (0)231/94510-30
sales@tintometer.de
www.lovibond.com
Germany

The Tintometer Limited
Lovibond House
Sun Rise Way
Amesbury, SP4 7GR
Tel.: +44 (0)1980 664800
Fax: +44 (0)1980 625412
water.sales@tintometer.com
www.lovibond.com
UK

Tintometer AG
Hauptstraße 2
5212 Hausen AG
Tel.: +41 (0)56/4422829
Fax: +41 (0)56/4424121
info@tintometer.ch
www.tintometer.ch
Switzerland

Tintometer China
Room 1001, China Life Tower
16 Chaoyangmenwai Avenue,
Beijing, 100020
Tel.: +86 10 85251111 App. 330
Fax: +86 10 85251001
chinaoffice@tintometer.com
www.lovibond.com
China

Tintometer South East Asia
Unit B-3-12, BBT One Boulevard,
Lebuh Nilam 2, Bandar Bukit Tinggi,
Klang, 41200, Selangor D.E
Tel.: +60 (0)3 3325 2285/6
Fax: +60 (0)3 3325 2287
lovibond.asia@tintometer.com
www.lovibond.com
Malaysia

Tintometer Brazil
Caixa Postal: 271
CEP: 13201-970
Jundiaí – SP
Tel.: +55 (11) 3230-6410
sales@tintometer.com.br
www.lovibond.com.br
Brazil

Tintometer Inc.
6456 Parkland Drive
Sarasota, FL 34243
Tel: 941.756.6410
Fax: 941.727.9654
sales@tintometer.us
www.lovibond.com
USA

Tintometer India Pvt. Ltd.
Door No: 7-2-C-14, 2nd, 3rd & 4th Floor
Sanathnagar Industrial Estate,
Hyderabad, 500018
Telangana
Tel: +91 (0) 40 23883300
Toll Free: 1 800 599 3891/ 3892
indiaoffice@tintometer.com
www.lovibondwater.in
India

Tintometer Spain
Postbox: 24047
08080 Barcelona
Tel.: +34 661 606 770
sales@tintometer.es
www.lovibond.com
Spain