



ELECTROCHEMISTRY & WATER

ANALYSIS INSTRUMENTS

BENCHTOP MULTI-PARAMETER INSTRUMENTS "BLACK PEARL 37 SERIES" MODEL TD 37



INDIA'S FIRST
ELECTROCHEMISTRY
METER WITH

- "30 Sec" measurement
- "6 Click" Calibration
- European technology



TD-37

Dissolved Oxygen	0 60 mg/l 0 600%
Air Pressure	600 1300 hPa
Temperature	-5 +105°C

The leader in **Dissolved Oxygen, Temperature** measurement just got better with a completely advanced & highly sophisticated new range of Benchtop Instruments with a European collaboration for the following Parameters:

These Instruments have a list of numerous salient features which make this range incomparable & highly advanced when compared with most of the other meters available in the market & some of which are as follows

Dissolved Oxygen • Temp.

- ☑ Direct Printer & PC
- ☑ 3 Year warranty on the Instruments
- ☑ Data logging of up to 12000+ values including Temperature

- ☑ Stability Indicator
- ☑ GLP Report on LCD Screen
- ☑ White backlight for better viewing
- ☑ Robust dust & splash-proof cabinet

Manufactured by:

TOSHNIWAL INSTRUMENTS MANUFACTURING PVT. LTD.

P.O. Gagwana – 305023, Distt. Ajmer (Raj.) INDIA., Phone : +91-145-2971131/2/3

Customer Care: +91-9829 112345 Email: info@toshcon.com / support@toshcon.com

REGD. OFFICE: 401, Manish Chamber, Sonawala Cross Lane, Goregaon (E), Mumbai-400063

Web : www.toshcon.com

BLACK PEARL TD-37

COMMON FEATURES

Dissolved Oxygen

Operates with a galvanic dissolved oxygen electrode requiring no polarisation time and no zero calibration. Selectable resolution from 0.01 mg/l (0.1%) to 0.1 mg/l (1%). Manual salinity compensation 0-40 ppt. Automatic air pressure compensation 600-1300 hPa. Rapid Air Calibration.

Temperature

Reads temperatures with 0.1°C resolution. Manual or automatic temperature compensation. Calibrates temperature probe for quality measurements.

Inputs

- 1 BNC inputs for Dissolved oxygen.
- 1 Corresponding reference inputs.
- 1 Corresponding temperature inputs.
- 1 Voltage DC input for e.g. a mains adaptor.

Outputs

USB interface for connection to a computer. RS232 interface for connection to a printer or computer.

Display

Bright LCD screen for better readability. White backlight for better viewing. Stability indicator prompts the user when readings should be taken. Shows a GLP report on the LCD screen. The interactive LCD screen provides step by step instructions in the language of your choice (English, Dutch, French, German).

Data-logging

Storage memory for 12,000+ values including temperature

***Cabinet:** Robust dust and splash-proof cabinet.

***Special features:** Two-way communication with a printer or computer using RS232 or USB.

Standard Supply

**Meter + Mains Adaptor + Electrode Stand + ATC
+ Instruction Manual + Test Certificate +Warranty Card**

DISSOLVED OXYGEN

Range	0...60 mg/l (0...600%)
Resolution	0.01 mg/l (0.1%)
Accuracy	1% ± 1 Digit
Calibration	1 Point
Temperature Compensation	0...50°C
Salinity Compensation	0...40 ppt

AIR PRESSURE COMPENSATION

Range	600...1300 hpa
Calibration	1 Point

TEMPERATURE

Range	-5...+105°C
Resolution	0.1°C
Accuracy	0.3°C
Calibration	1 point

INPUTS

Dissolved Oxygen	1 BNC, 10 ⁻¹² Ω
Temperature	White RC Plug, for Pt1000

CALIBRATION

Reminder	0...999 h
GLP	✓

DISPLAY

LCD	240x64 pixels each
White Backlight	✓
Hold Function	✓
Selectable Resolution	✓
Real Time Clock	✓

USB

Interface with computer	✓
-------------------------	---

RS 232

Baud Rate	1200...115200 b/s
-----------	-------------------

DATA-LOGGING

Values	12000+ °C/date/time
Manul or Timed	✓
Interval	1...9999 s

SECURITY

Identification number	✓
Password protection	✓

AMBIENT CONDITIONS

Temperature	0...40°C
Humidity	0...95%, non-condensing

POWER SUPPLY

Mains	210...250 VAC, 50/60 Hz
Low Voltage	9...15 VDC

DIMENSIONS

WxDxH	26x18x10/4 cm
-------	---------------

WEIGHT METER

	765 gm
--	--------

Manufactured by:

TOSHNIWAL INSTRUMENTS MANUFACTURING PVT. LTD.

P.O. Gagwana – 305023, Distt. Ajmer (Raj.) INDIA., Phone : +91-145-2971131/2/3

Customer Care: +91-9829 112345 Email: info@toshcon.com / support@toshcon.com

REGD. OFFICE: 401, Manish Chamber, Sonawala Cross Lane, Goregaon (E), Mumbai-400063

Web : www.toshcon.com

BLACK PEARL TD-37