



ELECTRO CHEMISTRY & WATER

ANALYSIS INSTRUMENTS

PORTABLE MULTI-PARAMETER INSTRUMENTS "BLACK PEARL 27 SERIES" MODEL TD-27



INDIA'S FIRST
ELECTROCHEMISTRY
METER WITH

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



TD-27

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-27

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	0...60 mg/l (0...600%)
Range	0.01 mg/l (0.1%)
Resolution	1% ± 1 Digit
Accuracy	1 Point
Calibration	0...50°C
Temperature Compensation	0...40 ppt
Salinity Compensation	
AIR PRESSURE COMPENSATION	600...1300 hpa
Range	1 Point
Calibration	
ION	0.01 ng/l...100 g/l
Range	3 digits
Resolution	0.5% ± 1 digit
Accuracy	2...5 points + blank
Calibration	
TEMPERATURE	-5...+105°C
Range	0.1°C
Resolution	0.3°C
Accuracy	1 point
Calibration	
INPUTS	1 BNC, 10 ⁻¹² Ω
Dissolved Oxygen	White RC Plug, for Pt1000
Temperature	
CALIBRATION	0...999 h
Reminder	
GLP	✓
DISPLAY	
LCD	240x64 pixels each
White Backlight	✓
Hold Function	✓
Selectable Resolution	✓
Real Time Clock	✓
USB	1 port
Interface with computer	✓
RS 232	1 port
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
BATTERY RECHARGEABLE	4 x 1.2V, AA, NiMH
DIMENSIONS	
WxDxH	25x12x5 cm
WEIGHT METER	635 gm

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