

**PORTABLE / BENCHTOP
 MULTI-PARAMETER INSTRUMENTS "17 SERIES"
 MODEL TP 17, TC 17 & TPC 17**

• pH • ORP • Conductivity • TDS • Salinity • Resistivity • Temp.



TP 17

pH	-2 16 pH
ORP	±2000 mV
Temperature	-5 105°C

TC 17

Conductivity	0 2000 mS/cm
TDS	0 100 g/l
Salinity	0 70 ppt
Resistivity	0 200 mΩ cm
Temperature	-5 105°C

TPC 17

pH	-2 16 pH
ORP	±2000 mV
Conductivity	0 2000 mS/cm
TDS	0 100 g/l
Salinity	0 70 ppt
Resistivity	0 200 mΩ cm
Temperature	-5 105°C

The leaders in pH, ORP & Conductivity measurement just got better with a complete Advanced & highly sophisticated new range of **Portable & Benchtop** Instrument with a **European collaboration** for following parameters:

• **pH • ORP • Conductivity • TDS • Salinity • Temperature**

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:

- Direct Printer
- 2 year Warranty on the Instruments
- Automatic Switch-Off
- Data logging of up to 12,000 values including Temperature
- Stability Indicator
- GLP Report on LCD Screen
- Blue backlight for better viewing
- Robust dust & splash-proof cabinet

TOSHNIWAL INSTRUMENTS MANUFACTURING PVT. LTD.,

An ISO 9001:2015 Company

P.O.Gagwana - 305023, Distt: Ajmer (Raj.) INDIA

CIN: U65990MH1979PTC021556

Phone: +91-145-2971131/ 2/ 3 Mobile: 9829112345 E-mail: info@toshcon.com Website: www.toshcon.com

REGD OFFICE: 401, Manish Chamber, Sonawala Cross Lane, Goregaon (E), MUMBAI - 400 063

PORTABLE / BENCHTOP MULTI-PARAMETER INSTRUMENTS "17 SERIES" MODEL TP 17, TC 17 & TPC 17

COMMON FEATURES:

- * **pH (in TP 17 & TPC 17)***
Automatic calibration with one up to five buffers out of eleven pre-programmed pH buffers.
Reads pH with 0.01 pH resolution.
- * **mV (in TP 17 & TPC 17)***
Features mV calibration for accurate ORP measurements.
Reads potentials with 1 mV resolution.
- * **Conductivity (in TC 17 & TPC 17)***
Extended conductivity range; to measure the full range from 0.01 $\mu\text{S}/\text{cm}$ to 1000 mS/cm requires 3 electrodes: 0.1, 1 and 10 cm^{-1} .
Selectable reference temperature: 20° or 25°C.
Automatically selects correct range and frequency.
Automatic cell constant determination with any of three preprogrammed standards (0.01, 0.1 or 1M KCl).
- * **Temperature (in TP 17, TC 17 & TPC 17)***
Reads temperatures with 0.1°C resolution.
Manual or automatic temperature compensation.
Calibrates temperature probe for quality measurements.
- * **Inputs**
One common input for pH, mV & Conductivity.
One input for a Pt1000 automatic temperature probe.
Low voltage DC input for a mains adaptor.
- * **Display**
Bright LCD screen for better readability.
Blue 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**
Mains operation with programmable automatic switch-off.

Standard Supply: Meter + Mains Adaptor + Fixed Electrode Stand + Instruction Manual + Test Certificate + Warranty Card

Specifications for TP 17, TC 17 & TPC 17 with difference marked in Blue coloured text in bracket & *s

pH (in TP 17, TPC 17)*	Range	-2...16 pH
	Resolution	0.01 pH
	Accuracy	0.1% \pm 1 digit
	Calibration	1...5 points
	Buffers	11 pre-programmed
	Temperature Compensation	-5...105°C
	ISO-pH	6...8 pH
mV (in TP 17, TPC 17)*	Slope	80...120%
	Range	\pm 2000 mV
	Resolution	1 mV
CONDUCTIVITY (in TC 17, TPC 17)*	Accuracy	0.2% \pm 1 digit
	Calibration	1 point
	Range	0...2000 mS/cm
	Resolution	0.01 $\mu\text{S}/\text{cm}$
	Accuracy	1% f.s. of range
	Calibration	1...3 point
	Standards	0.01/ 0.1/ 1M KCl
	Cell Constant	0.1/1/10 $\text{cm}^{-1} \pm 30\%$
	Temperature Compensation	-5...105°C
	Reference Temperature	20°C or 25°C
SALINITY (in TC 17, TPC 17)*	Temperature Coefficient	natural waters (EN27888)
	Range	0...70 ppt
TDS (in TC 17, TPC 17)*	Resolution	0.1 ppt
	Range	0...100 g/l
TEMPERATURE (in TP 17, TC 17, TPC 17)*	Resolution	0.1 mg/l
	Range	-5...105°C
	Resolution	0.1°C
	Accuracy	0.3°C
INPUTS	Calibration	1 point
	Measurement	BNC, 10 ¹⁰ Ω
	Temperature	2 banana, for Pt1000
DATA-LOGGING	Memory	12,000 Data Sets
OUTPUT	Printer Connection	RS-232
DISPLAY	LCD	128x64 pixels
	Blue backlight	✓
AMBIENT CONDITIONS	Temperature	0...40°C
	Humidity	0...95% non-condensing
POWER SUPPLY	Mains	210...250VAC, 50/60Hz
	Low Voltage	9...12 VDC
DIMENSIONS (in mm)	WxDxH	120 x 250 x 50
WEIGHT	Meter	625 g

For more details kindly contact:

- ✉ analytical1@toshcon.com ☎ 9351497767
✉ analytical2@toshcon.com ☎ 9351497747

TOSHNIWAL INSTRUMENTS MANUFACTURING PVT. LTD.,
An ISO 9001:2015 Company

P.O.Gagwana - 305023, Distt: Ajmer (Raj.) INDIA

CIN: U65990MH1979PTC021556

Phone: +91-145-2971131/ 2/ 3 Mobile: 9829112345 E-mail: info@toshcon.com Website: www.toshcon.com

REGD OFFICE: 401, Manish Chamber, Sonawala Cross Lane, Goregaon (E), MUMBAI - 400 063