

ENGLISH	pHTestr10	pHTestr20	pHTestr30	pHTestrBNC	pHSpear
Range	-1.0 – 15.0			-1.00 – 15.00	
Accuracy	±0.1 pH			±0.01 pH	
ATC	Yes			No	
Temp display	No		Yes	No	

Before you begin: Hydrate electrode by immersing in electrode storage solution, pH 4 buffer or clean water for 30 minutes or as needed. An “Or” reading often indicates the sensor is dry.

Buffer Set Selection: USA (pH 4.01, 7.00, 10.01) or NIST (pH 4.01, 6.86, 9.18).

1. Press and hold HOLD/ENT.
2. Press ON/OFF (while holding HOLD/ENT).
3. Release HOLD/ENT. Display shows USA or NIST.
4. Press CAL to select.
5. Press HOLD/ENT to confirm.

Calibration: up to 3 points using either USA or NIST buffer sets.

1. Press ON/OFF.
2. Dip electrode about 2 to 3 cm into the buffer.
3. Press CAL. ‘CAL’ indicator will appear. Upper display shows the reading based on last calibration, lower display shows the pH buffer.
4. Wait for the reading to stabilize
5. Press HOLD/ENT to confirm. Lower display will show the next buffer.
6. Repeat steps 2, 4 and 5 with other buffers if necessary.

Note: Rinse electrode with clean water before dipping into next buffer.

Note: To abort calibration, press CAL.

Note: After 3 point calibration the meter returns to measurement mode. If only 1 or 2 points are calibrated the remaining points can be skipped by pressing CAL.

Measurement:

1. Press ON/OFF.
2. Dip the electrode 2 to 3cm into the sample. Stir and let the reading stabilize.

HOLD Function: Freezes the display.

1. Press HOLD/ENT to freeze the measurement. ‘HOLD’ will be displayed.
2. Press HOLD/ENT again to release.

User Reset: Resets the pH calibration to the factory default.

1. Switch off the tester.
2. Press and hold CAL.
3. Press and release ON/OFF. Screen will show ‘rSt’ and ‘nO’ flashes.
4. Press CAL to select: ‘nO’ retains values; ‘YES’ resets the meter.
5. Press HOLD/ENT to confirm.

Temperature Calibration: (Only available for pHTestr 30)

1. Press ON/OFF
2. Press HOLD/ENT, the meter will go in Hold mode.
3. Press CAL for few seconds to select °C or °F.
4. Release CAL to confirm. Upper display flashes.
5. Dip the tester into a solution of known temperature and wait for the temperature to stabilize.
6. Press HOLD/ENT to set the temperature value.

Note: To abort calibration, press CAL.

Electrode Maintenance:

1. Rinse with clean water after each measurement. DO not wipe or dry the glass sensing bulb.
2. In aggressive chemicals, dirty or viscous solutions and solutions with heavy metals or proteins, take readings quickly and rinse electrode immediately.
3. Keep a piece of paper or sponge in the cap, moistened with clean water, electrode storage solution or pH 4 buffer. (NOT de-ionized water or pH 7 buffer).

Changing Batteries (performance can be improved when 1 bar battery life remaining)

1. Open battery compartment lid. Remove old batteries noting polarity (flat side of battery is +).
2. Replace with (4) fresh ones. LR44 or A76 batteries

Electrode Replacement: necessary when calibration fails or when readings are erroneous in new calibration standards with hydrated electrode sensor and fresh batteries.

1. Grip the ribbed collar with electrode facing you. Twist the collar counter clockwise (Fig A). Save the ribbed tester collar and O-ring.
2. Pull the electrode off the tester.
3. Align the 4 tabs on the new module with the 4 slots on the tester (Fig B).
4. Gently push the new module onto the slots.
5. Push the smaller O-ring fully onto the electrode.
6. Push the collar over the module and twist it clockwise.

Note: Recalibrate your tester after electrode replacement.

