

NEW

**Accuracy, stability, reproducibility and rapid pH response to temperature changes with a ROSS® in a micro electrode.**

**Ideal where sample volume is critical specifically in Pharmaceutical, BioTech and University environments.**

## Orion ROSS® Micro pH Electrode

Orion 8220BNWP

Product Specification



### Advantages of ROSS Micro pH Electrode

Thermo Scientific now offers an Orion ROSS micro pH electrode specifically designed to measure small samples. This unique design offers greater durability than conventional micro pH electrodes while providing all the performance benefits of a ROSS electrode. The refillable glass ROSS micro pH electrode is compatible with Orion PerpHecT® meters. This allows you to measure pH while allowing for direct temperature measurement and compensation; all while using one electrode with less than a 3 mm diameter.

- More durable than other micro electrodes. Teflon<sup>†</sup> protective sleeve over glass stem provides added durability.
- Utilizes ROSS sensor technology. Exhibits optimum temperature response and stability.
- No ATC needed when used with Orion LogR™ meters. Allows pH and temperature measurement in samples in 384 well plates or samples with 4.5 mm depth of immersion.
- Double junction ROSS system makes electrode compatible with TRIS buffers and samples containing proteins and enzymes.
- Less long term drift requires less frequent calibration.
- Sensing tip diameter is 3 mm.

<sup>†</sup> Registered trademark of DuPont

## Orion ROSS Micro pH Electrode

<b>Specifications 8220BNWP</b>	
Measurement Range	0-14 pH
Temperature Range	0-100° C
Slope	92-102% of theoretical Nernstian slope
Isopotential point	pH 7
Accuracy at pH 4, 7, & 10	0.03 pH
Speed of response	Stable to 0.01 pH within 30 seconds
Drift	Less than 0.002 pH units/day
Connector	Waterproof BNC - Compatible with all BNC meters
Cable Length	1 meter
Warranty	1 year
Minimum depth of immersion	4.5 mm
Dimensions	155 mm total length 40 mm x 3 mm 48 mm x 6 mm 67 mm x 12 mm

  

<b>Ordering Information</b>	
8220BNWP	Micro ROSS, glass body pH electrode with waterproof BNC connector, 1 meter cable

