



Product Specifications

Catalog No. 32820

QUICK CAL SOLUTION



pH, ORP, & Conductivity values
at various temperatures

Temp.	pH (± 0.02)	mV (± 5)	µS/cm (± 40)
5°C	7.10	255	4990
10°C	7.04	247	5690
15°C	7.03	239	6450
20°C	7.02	231	7160
25°C	7.00	224	8000
30°C	6.98	217	8830
35°C	6.97	209	9690

Specific Conductance Temperature
Coefficient: 2.20% / °C

APPLICATION

A calibration standard of an appropriate chemical composition to perform a one-point calibration of all four MP TROLL 9000 Basic sensors (pH, ORP, Conductivity, Dissolved Oxygen) at the same time with a single solution. Supplied in quart containers. Each quart is sufficient for at least 3 Quick Cals.

Shelf Life, unopened	6 months
After opening	7-21 days

EXPECTED ACCURACIES

The following accuracies may be expected when calibrating the MP TROLL 9000 using Quick Cal solution and following instructions in the Win-Situ Quick Cal Wizard and/or in the MP TROLL 9000 Operator's Manual:

Parameter	Quick Cal accuracy	Meets USGS guidelines*
pH: at pH 7:	± 0.09 pH units	✓
over range 0-14 pH:	± 0.2 pH units	✓
ORP	± 25 mV	NA
DO (with stirrer)	± 0.25 mg/L	✓
Conductivity: 200-20,000 µS/cm	± 1%	✓
4-60,000 µS/cm	± 3% + 3 µS/cm	✓

* Calibration criteria for continuous water-quality monitors, from USGS Water-Resources Investigations Report 00-4252, p. 13

ORDERING INFORMATION

CATALOG NO.

Quick Cal Solution (1 qt)	32820
Quick Cal Kit (4 qts. Quick Cal solution)	32600

GUIDELINES AND PRECAUTIONS

- Store the solution cool and dark. Shake well before use.
- Do not store sensors in Quick Cal solution.
- For best results, use fresh solution for each Quick Calibration.
- Dispose of used solution by flushing down the drain with plenty of water.
- Solution is best if used before date on bottle, but may be usable beyond that date if stored cool, dark, and tightly capped.

1 800 4INSITU

(toll-free, US and Canada) or 307 742 8213 www.in-situ.com