



## Water Level Temperature Meter

Model 201

The Model 201 Water Level Temperature (WLT) Meter is ideal for measuring static water levels, as well as profiling temperature in wells, boreholes, tanks and open water.

Accurate temperature measurements are clearly displayed on an LCD readout on the faceplate, from -20°C to +125°C.

Water level and probe depth measurements are read off the Solinst durable laser marked flat tape. Tape lengths are available up to 600 m (2000 ft).

Also from Solinst, the Model 107 TLC Meter measures water level, temperature and conductivity. (See Model 107 TLC Meter Data Sheet). For datalogging of water level and temperature, see the Model 3001 Levelogger 5 Data Sheet.

## Water Level & Temperature Probe

The 201 Probe is made of high quality 316 stainless steel. The pressure-proof probe can be submerged the full length of the tape. The zero measurement point on the probe is close to the tip, keeping water displacement at a minimum. A probe shroud protects the sensor tip.

The temperature sensor is located at the stainless steel tip of the probe, however, since the probe body acts as a heat sink, best accuracy is obtained when the probe is completely submerged. The tape seal plug design allows the probe to be easily replaced, if required.



## Water Level Temperature Meter Features

- Accurately measure temperature from -20°C to +125°C
- Tape lengths to 600 m (2000 ft)
- Durable, corrosion and chemical-resistant flat tape
- Standard 9V alkaline battery gives 90 hours of use
- Automatic shut-off after 8 minutes
- Sturdy, standalone reel with ergonomic handle and brake
- No user calibration is required

## Water Level & Temperature Applications

Water temperature has a direct affect on the biological activity of aquatic plants and animals, as well as many aspects of water quality and chemistry; therefore, it is an important parameter to monitor.

The Model 201 Water Level Temperature Meter is ideal for:

- Profiling temperature in wells and open water
- Detecting runoff, points of inflow, or other sources of thermal pollution
- Early warning of changes in water quality, including dissolved oxygen levels and conductivity
- Monitoring and predicting changes in aquatic environments
- Geothermal drilling and studies

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WLT Meter Specifications	
Temperature range:	-20.00°C to +125.00°C
Temperature reading accuracy:	+/-0.10°C from -5°C to +50°C; +/-0.50°C outside of that range
Temperature resolution:	0.01°C
Temperature stabilization time:	15 seconds per °C
Probe pressure rating:	Fully submerged tape – all lengths
Probe weight:	87 grams (3.07 ounces)
Probe size:	16 mm dia., 129 long (5/8" x 5.08")
Wetted materials (tape/probe):	PVDF, Santoprene, Delrin®, Viton®, 316 stainless steel
Battery life:	90 hours
Auto-off:	8 minutes
Standard tape lengths:	Meters: 30, 60, 100, 150, 250, 300 Feet: 100, 200, 300, 500, 750, 1000

## Other Options

**Power Winder:** Lightweight and easy to attach to small, medium and large reel frames, the Power Winder is designed to allow effortless winding of longer lengths of tape. The Power Winder makes temperature profiling with the Model 201 Water Level Temperature Meter easy. Simply uses a standard power drill to operate the Power Winder (see 101 Power Winder Data Sheet).



Power Winder

**Carrying Case:** An optional padded nylon carrying bag with a shoulder strap is available to fit medium and small reels. The sturdy bags have a zippered top and front pocket and a vent in the base to allow moisture to dissipate. They provide protection during transport as well as handling convenience.



**Replacement Parts:** Replacement probes, tapes, faceplates and other spare parts are available.