

# 6536D Water Conductivity Instrument (4 Electrode)



## Applications

- Ground water studies
- Water utilities and suppliers
- Reservoir studies
- Salinity studies (weirs, dams, lakes, rivers)

The new 6536D Water Conductivity Instrument measures the electro-conductivity and temperature of water. The temperature is measured within the sensing cell to provide precision correction. Both temperature corrected and uncorrected conductivity measurements are available for recording.

The new model 6536D has undergone a surface mount upgrade and now has 512 kB of memory.

A Starlog compatible Micrologger is part of the instrument, providing all the standard features such as SDI-12, intelligent battery supervision, modem interface and all the programmability found in Starlog dataloggers.

Ultra low power consumption makes the 6536D ideal for remote, unattended operation. This instrument will operate for months from a single model 6910A or 12V battery.

## Specifications

EC Operating Ranges: 0 to 200,000 uS/cm in three autoranged stages

Range	Scale (uS/cm)	Res (uS/cm)	Typical Accuracy
Low	0 – 200	0.2	±2%
Mid	200 – 20,000	2.0	±1%
High	20,000 – 200,000	20	±1%

Temperature Range: -20°C to 60°C  
 Temperature Accuracy: ± 0.1°C  
 Temperature Resolution: 0.0612°C

EC Temperature Compensation Range: 0 °C to 60 °C

### Channels

Conductivity: 0 – 200,000 (uncompensated)  
 Conductivity: 0 – 200,000 (temperature compensated)  
 Conductivity: 0 – 65,535 (uncompensated) Low resolution (for SDI-12)  
 Conductivity: 0 – 65,535 (temperature compensated) Low resolution (for SDI-12)

Scan Rate: Water temperature, battery voltage  
 5 seconds to 5 minutes (programmable)

Log Interval: 5 seconds to one week (programmable)

## 6536D

- Excellent linearity
- Long-term stability
- Wide operating range
- Designed for permanent installation
- Temperature corrected
- Integrated data logger
- Compatible with Starlog
- SDI-12 support
- Cost effective



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