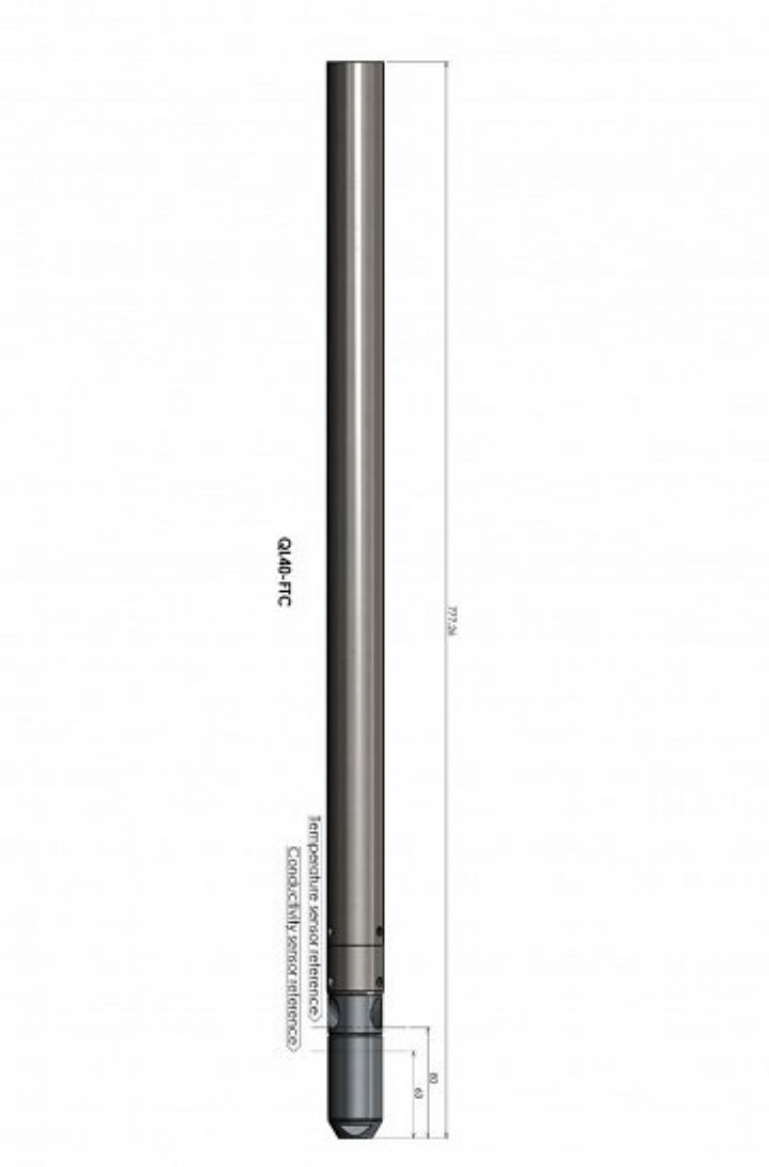
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QL40-FTC Data Sheet

The **QL40-FTC** and **QL40-FTC-C** Fluid Temperature Conductivity probes provide precise borehole temperature and fluid conductivity measurements. The FTC-C is a bottom sub, while the FTC is an inline sub, and both can be run stand-alone or stacked with other QL tools for custom configurations.



QL40-FTC Schematic. Image courtesy of Mount Sopris Instruments.

The **QL40-FTC** and **QL40-FTC-C** probes can be calibrated in µS/cm or mS/m for conductivity and in °F or °C for temperature. Commonly stacked probes include the QL40-GR (Natural Gamma), QL40-RES (Multi-Point Resistivity), and QL40-CAL (3-Arm Caliper). Due to its design, the QL40-FTC probe is best placed at the bottom of a stack for improved measurement accuracy.

Basic water quality logs with these probes are invaluable in groundwater studies, geothermal gradient logging, salt-water intrusion research, and a variety of environmental projects.

Operating Conditions

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W - Water ?
M - Mud ?
D- Dry ?

S - Steel ?
P - PVC Borehole ?
UC- Uncased ?

*Centralizers are not required

Product Dimensions

Physical	Dimensions (L x W x H)	Weight
(instrument only)	78cm x 4.2cm x 4.2cm	3.35kg

Technical Specifications

Pressure Rating:	200 Bar (3000 PSI).
Operating Temperature:	Up to 70ºC.
Sensor:	Conductivity: 7 electrode reciprocal Wenner array. Temperature: Linear response semiconductor sensor.
Range:	Temp: -20 to +80ºC Conductivity: 50 to 30,000 uS/cm
Accuracy:	Temp: better than 1% F.S. Conductivity: Better than 1% F.S
Resolution:	Temp: 0.1ºC Conductivity: 0.05% F.S..5mm

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