

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 $\mu\text{S}/\text{cm}$ or mS/m for conductivity and in $^{\circ}\text{F}$ or $^{\circ}\text{C}$ 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

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

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