

The Field Hub - E-line unit provides a remote telemetry interface for downhole tools such as the Kaldera PTS and PTS-XY tools for displaying and recording real-time downhole data such as pressure, temperature, and spinner data along with wireline depth, line speed, and line tension. Measurements can be displayed on the customizable dashboard using the touch friendly user interface and can optionally include a well schematic. Field Hub integrates into the Stratus IO Platform for cloud connectivity and data syncing.

FEATURES

System Features

- Remote telemetry interface for compatible downhole tools via e-line
- Rack mountable and portable enclosure options
- Touch-friendly user interface on a 10.1" capacitive touchscreen (on portable unit)
- Multiple display orientation options (on portable unit)
- Robust multi-turn absolute encoder interface prevents encoder drift
- Line speed and tension measurement
- Interfaces directly with Kaldera downhole tools with automatic data merging
- Expandable interfaces allow support for additional wired and wireless sensors
- Optional external display and keyboard & mouse support
- Optional backup battery

Software Feature

- Real-time display and recording of downhole tool data with automated wireline data merging
- OTA OS and software updates for security and feature updates
- Secure and robust IoT cloud platform
- Integration with Stratus IO - Field Portal cloud services for data syncing
- Remote monitoring of real-time and historical data using the Field Portal web client
- User-customizable dashboard
- Local database for measurement storage and historical data lookup
- GPS-based time and location data
- Export data in various formats

Real-time Downhole Logging Features

- Downhole tool power source and e-line interface
- Logging tool depth measurement
- Line speed and line tension measurement
- Kaldera downhole tool interface for device configuration and management
- Automated data merging



CHARACTERISTIC

SPECIFICATION

Power Input	9 – 36 VDC*
Interface	Wi-Fi and USB (Expandable)
Encoder Input	BiSS/SSI (Quadrature optional)
Tension Input	4–20 mA (0-10 V optional)
Display	10.1-inch Capacitive Touch (on portable unit)
Storage	8 GB SSD (Expandable)
Sampling Rate	4 Hz (for wireline data)
Enclosure	Rackmount and portable options
Cloud Platform	Stratus IO - Field Portal

* E-line power supply configured separately based on downhole tool requirements

Kaldera has a commitment to customer service and has a unique customer serviceable pressure temperature module that reduces the frequency of sending the entire tool to the factory. These unique features allow Kaldera to be the leader in the geothermal industry.

