

MODEL FL- 8A

Portable Cable Fault Locator

- >> Battery operated cable fault locator
- >> Quickly locates opens, shorts and high voltage shorts in cable lengths
- >> Robust design for harsh environments
- >> Fully automated testing
- >> Color touch screen



Long lengths of cable used in land drilling, offshore well development and production, marine and ROV applications are routinely subject to mechanical shock as well as electrical and thermal stress. Damage to these multi-conductor constructions, which may contain crucial power, control signal and video conductors, can result in down time and costly cable replacement.

To meet the needs of these applications, Clinton has developed the Model FL-8A, a battery operated cable fault locator that can be used on site to accurately pinpoint opens and shorts in these cables. Built to withstand a demanding environment, the unit performs a quick, automated test.

The operator simply connects the FL-8A test probes to each end of the damaged cable, enters the cable length on the digital touch screen, and selects "Shorts" or "Opens" to begin the test. The unit quickly calculates the distance of the fault site from each test probe, displays the location in feet or meters, and provides a suggested trim area. The failure can then be cut out or repaired and the remaining good product reused. Many times, most of the cable can be recovered and

TEST VOLTAGE 0.8 kv
TEST ACCURACY Standard
FAULT TYPE High Voltage

Suggested Trim Area From Red
609ft TO 623ft

PERCENT FROM BLUE LEAD	49.8%
FEET FROM BLUE LEAD	615ft
PERCENT FROM RED LEAD	49.7%
FEET FROM RED LEAD	613ft

INSTRUMENT COMPANY

Press More for Details

BACK HOME MORE ANY

SHORTS OPENS HI-POT SETTINGS

Sample display screens

put back into service.

The FL-8A Cable Fault Locator is a compact 43 lbs. built into a sturdy wheeled case. It promises a great return on investment by analyzing expensive cable assemblies with speed and accuracy.



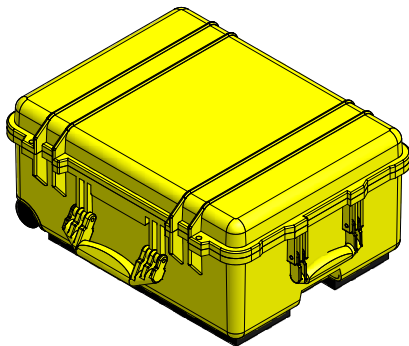
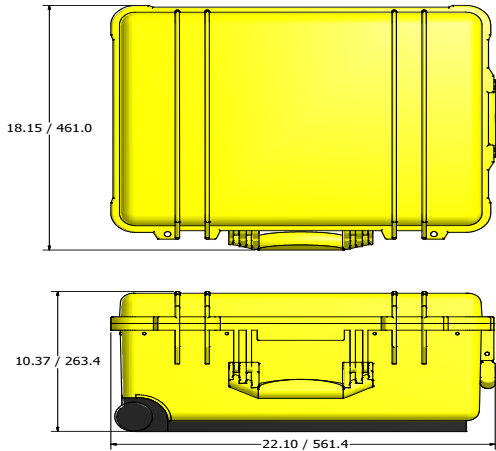
FL-8A SPECIFICATIONS

Fault Definitions:

- Open.....A condition where a single conductor has no continuity from one end to the other.
- Metallic Short.....Two conductors without insulation or a conductor and a shield which physically come into contact with one another.
- High Voltage ShortTwo conductors or a conductor and a shield which have no insulation between them but do not contact one another.
- Voltage Test Range0-8 KV D.C.
- Display6-inch backlit color TFT touch screen.
- Output Current.....6 ma. maximum.

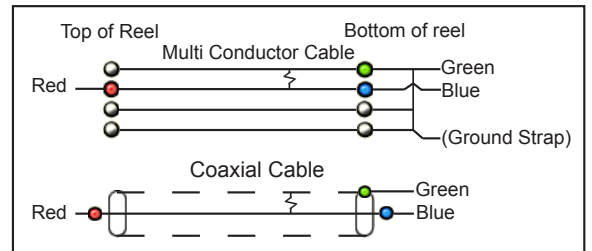
- Equipment Accuracy.....Better than 1% of total cable length (dependent on accuracy of actual cable footage and product uniformity).
- Cable Loop Resistance
 - Metallic Short50 milliohms minimum.
 - High Voltage Short300 milliohms minimum.
- Dimensions22.0"W x 18.2"D x 10.4"H.
- Test Leads.....10' long.
- Weight43 lbs. (19.5 kg.).
- Battery Power.....Ni-MH 24V 5Ah, rechargeable through FL-8A power cord.
- Recharge Power.....100 - 240 volts AC, 50/60 Hz 2 amps.

FL-8A Dimensions



Typical Lead Connections

Shorts



Opens

