HDW
seba**KMT** Group Company

The new 2nd Generation
EZ-THUMP^{TM}

Transflective Color
Sun Readable Display
First in Industry

"See the cable & fault"
"Cable End & Fault" are
marked with distances

DC Hipot Test with Ω Display
ARM$^®$ Prelocation
Thumping - Pinpointing

4 & 12kV Models
Output Energy 500 Joules
NiMH Battery > 30 minutes
Rainproof Operation

Live Trace Confirms Fault
Sectionalizing Optional
F-OHM Assures User's Safety
USB Up- & Download Interface

SMART FAULT LOCATION System
….the unit that **accommodates**
the **User** !

Technical Specifications *EZ-THUMP™*

The EZ-THUMP is a compact & light weight, battery and or AC line operated fault locating system for primary URD cables. It is ideally suited for use in a "satellite" fault locating concept for out-laying areas with a lesser fault frequency, when speed, simple operation , weight and economics are the driving factors. Unit requires <u>no</u> adjustments and is operated via rotary control knob.

Energy / Voltage Output   500Joules @ 12kV
                              or 500 Joules @ 4kV

DC Hipot Output   12kV *or* 4kV
voltage is adjustable   0kV – 12kV *or* 0kV – 4kV
includes indication of Breakdown Voltage & insulation resistance indication

Measuring Range: up to 25,000 ft

Fault Locating Method
-TDR Mode to determine end of cable
• Arc Reflection Method to assess distance to fault
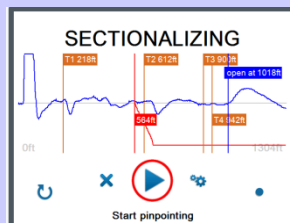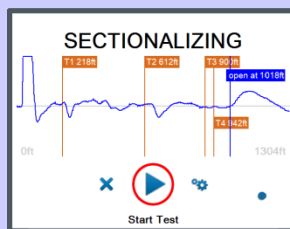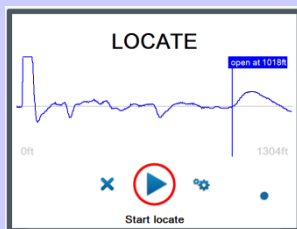• 4kV *or* 12 kV pulse

Fault Distance Accuracy:
< 2.5 feet depending on displayed range

Pinpointing Method
Adjustable thump voltage up to 4kV *or* up to 12kV
<10 second thumping cycle

:Display Screen
Transflective Color LCD 5.7" , 640 x 480 pixel

Convenience Features:
- Pre-locate and Pinpoint using only one tool
- Computer controlled automatic fault locating procedure
- Unit is operated rotary control knob
- No special operator training required
- *<u>OPTIONAL:</u>* Sectionalizing Software*

Safety Features:
- Operator always in control of HV output
- "Emergency Off" discharges & powers unit off
- Key Switch Interlock
- Auto "Time out" discharges & grounds unit
- F-OHM feature protects from unsafe grounding

Power Supply:
<u>Internal</u> 24V NiMH Battery 5 AH for > 30 minutes of pinpointing – thumping
<u>External</u> 120/230V AC Operation

Outdoor Suitability
Rugged design, weather proof operation
High impact resistant PP enclosure
High impact resistant ABS lid & SS hardware

Operating Temperature:
-5 F to 122 F (-20 °C + 50 °C)

Leads / Terminations
15 ft HV cable MC Con. / Hotline Clamp
HV return with Hotline Clamp,
15 ft Ground Cable with Hotline Clamp
(50' lead length optional)

Dimensions: 14" x 11" x 21"
Weight: 70 lbs
Options
Optional Elbow Adapter available, 15 / 25 / 35 kV
Optional Cart available

ARM® is a Trademark of HDW Electronics, Inc.
* **HDW Patent** US B 6,683,459 B2
<u>**Your Local Representative is:**</u>