

SMART THUMP™ 15-1150



The **only** Fault Locating System for Distribution Voltage Power Cables that works as easily as a Thumper!

- **1150 J** at 7.6\5 15 kV Thumping,
15kV DC-HV proof test
40mA Burning
- **Easy Go** automatic sequence to proof test, pre-locate & pinpoint
- **Interprets Test Results** for user
- **Sunlight readable** 5.7" TFT color display (Transflective)
- **Safe OP Check** protects user from incorrect or faulty lead connections
- **USB interface** for trace export via USB flash drive

The **SMART** choice for Fault Locating

Technical Specifications SMART Thump^{TM*} 15-1150

The **SMART**-ThumpTM represents a new generation of advanced underground cable fault locating system that requires less training than a traditional thumper-only system. It is the **only** fault locator with built-in intelligence to interpret the results of the initial test sequence. The “Turn & Click” rotary button operation lets the user automatically proof test, pre-locate, and pinpoint the fault from one convenient control console. No adjustments are required. The unit automatically sets the thump voltage to minimize the stress applied to the cable. The **SMART Thump** features an automatic safety check to protect the user from incorrect or faulty ground connections. The **SMART Thump** is **the first and only truly automatic fault locating system** on the market.

Impulse Generator (Thumper)

Modes of Operation:

- Arc Reflection Method , ARM^{®**}
- ICE (Surge Pulse)
- Direct Surge (Thump)
- DC-HV Proof Test and Burn
- Sheathfault-Test and –Pinpointing

TDR

- TDR Mode & all Prelocating Functions

Energy Output:

- Single Stage 1150J @ 7.5 & 15kV
- Proof Test: 0-15 kV continuous
- Burn Current: 40mA max

Key Features:

- Single Shot thump in ARM[®]
- Buil- in **Inductive** type ARM[®] Filter
- **7 sec** thump cycle @ max. output
- Automatic Cable Discharging

Display Features:

- **Transflective** TFT color display sunlight proof
- 5.7” size, 640 x 480 pixel resolution

USB

- Host interface 2.0
- For trace export

Power Options:

- 120/ 230V/ 60/50Hz AC Operation (*standard*)
- 12V Deep Cycle Marine Battery with internal DC Charger/ Inverter (optional)

Mounting & Enclosure

Mounted on heavy duty dolly (*also available as Portable or Vehicle Mount unit*)

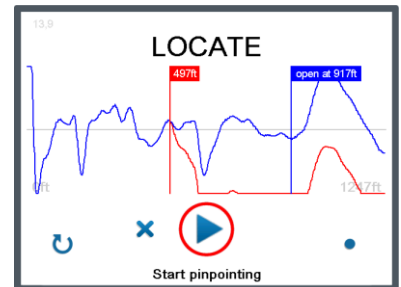
Enclosure: Rain tight stainless steel

Weight: 80 kg (incl. heavy duty dolly, AC powered)

SMART Features:

- **Entirely automatic test sequence** includes proof test, pre-locate, and pinpoint
- **Automatic interpretation** regarding type of fault (e.g. open, burnt in the clear, short)
- **Automatic Adjustment** of Thump voltage
- **Automatic Alphanumeric Display** of cable length & fault distance,

No User interpretation required



- **Easy Go operation** eliminates lengthy training
- **Languages** many foreign languages available



- **Safe OP Check** protects user from incorrect or faulty ground connections (**F-OHM safety device**)
- **Analog Meter** displayed on screen

Dimensions: W x H x D 500 X 750 X 350mm

Connection Leads:

50 ft Safety Ground/ 50 ft HV hook up Cable w/ Hotline Clamps (elbow adapters optional)

• **Smart-Thump** is an applied for trademark of HDW Electronics, Inc
** ARM is a registered trademark of HDW Electronics, Inc. .

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