TECHNICAL DATA

Fluke SmartTrace™ 2082BT Elite Underground Utility Locator Kit

Key features

- CAT IV 600 V safety for energized circuits
- Built-in Bluetooth® for PointMan® mapping
- Depth to 20 ft (6 m), detection to 100 ft
- Grayscale display readable in any weather
- Rugged IP54 design for field durability

Product overview: Fluke SmartTrace™ 2082BT Elite Underground Utility Locator Kit

The Fluke SmartTrace™ 2082BT Elite Underground Utilities Locator Kit adds integrated Bluetooth® connectivity for real-time mapping and documentation directly from the field. Designed for professionals who need precision and proof, the 2082BT Elite connects wirelessly to PointMan®—the industry-standard geolocation app—so every locate is recorded with GPS coordinates, depth, and signal type for digital mapping and compliance reporting.

The 2082BT Elite features the only CAT IV 600 V-rated transmitter in the underground-locating category, ensuring the highest level of protection when working around energized circuits. Multiple active and passive tracing modes let technicians safely locate both live and de-energized lines using one tool.

A high-contrast grayscale display remains easy to read in sunlight or rain, while intuitive controls and fast signal response speed up tracing and reduce re-work. With a depth measurement range up to 20 feet (6 meters) and detection range up to 100 feet, the 2082BT Elite provides accurate, repeatable results in even the most complex underground environments.

Supplied with transmitter, Bluetooth-enabled receiver, test leads, and field-ready accessories, the 2082BT Elite delivers the safety, accuracy, and digital documentation that utility, telecom, and construction professionals rely on to locate, verify, and map underground assets faster—and with greater confidence.

Specifications: Fluke SmartTrace™ 2082BT Elite Underground Utility Locator Kit

Maximum voltage between any terminal and earth ground	**600 V**
Operating temperature	-20 °C to 50 °C (-4 °F to 122 °F)
Storage temperature	-40 °C to 60 °C (-40 °F to 140 °F)
Humidity (non-condensing)	0–90% (5–30 °C), 0–75% (30–40 °C), 0–45% (40–50 °C)
Altitude	≤ 2000 m (≤ 6561 ft)
Ingress protection	IP54 (non-operating)
Pollution degree	2 (IEC 61010-1)

Electromagnetic Compatibility (EMC) International	IEC 61326-1: Portable Electromagnetic Environment; IEC 61326-2-2 CISPR 11: Group 1, Class A
Electromagnetic Compatibility (EMC) USA (FCC)	47 CFR 15 subpart B. This product is considered an exempt device per clause 15.103.

	2082T Transmitter	**2082BTR Receiver (Bluetooth)**	**AF2082 A-Frame (optional accessory)**	**SC2082 Signal Clamp (optional accessory)**	**TL2082 Test Lead Set**
Power supply	8 × D cells (IEC LR20)	6 AA, IEC LR6	6 AA, IEC LR6		
Fuse protection	0.5 A, 1000 V, IR 30 kA, Φ6.3×32 mm, Fast.				
Safety compliance	IEC 61010-2-030: CAT IV 600 V	IEC 61010-2-030: CAT IV 600 V		IEC 61010-2-032: CAT IV 600 V, 100 A.	IEC 61010-031: CAT IV 600 V, 10 A.
Electromagnetic Compatibility (EMC)		USA (FCC) 47 CFR 15 Subpart C Sections 15.203, 15.209, 15.249			
Wireless radio frequency range		2400 MHz to 2483.5 MHz			
Wireless radio output power		<100 mW			

Ordering information

FLUKE-2082BT

Fluke SmartTrace™ 2082BT Elite Underground Utility Locator Kit

Includes:

- 2082BTR Receiver
- 2028T Transmitter
- C2082 Carrying case
- TL2082 Test leads kit
- FLG2082 Flags, 8-color, 100-pk
- FP-UAT-600 Fuse 2-pk
- Battery LR6, AA (6)
- Battery LR20, D-cell (8)

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