

TECHNICAL DATA

Fluke SmartTrace™ 2082BT Premium Underground Utility Locator Kit



Key features

- CAT IV 600 V safety for energized circuits
- Built-in Bluetooth® for PointMan® mapping
- Signal Clamp and A-Frame included
- Depth to 20 ft (6 m), detection to 100 ft
- Ready-to-work kit with field accessories

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

The Fluke SmartTrace™ 2082BT-P Premium Underground Utilities Locator Kit delivers the most complete locating solution in the SmartTrace™ family, combining advanced safety, connectivity, and productivity tools in one rugged package.

Featuring a CAT IV 600 V-rated transmitter and multiple tracing modes, the 2082BT-P traces both energized and de-energized lines safely and accurately across power, telecom, and infrastructure environments. Integrated Bluetooth® connectivity links the receiver to PointMan® for real-time GPS mapping and digital documentation, allowing field crews to mark and log underground assets directly from their mobile devices without manual transcription.



The Premium Kit expands capability with two key accessories: the Signal Clamp for non-contact signal induction when direct connection isn't possible, and the A-Frame for pinpoint fault location. Together, these tools enable technicians to identify utility paths, cable breaks, and ground faults with speed and confidence.

Designed for durability, the 2082BT-P withstands harsh outdoor conditions thanks to its IP54-rated housing and a high-visibility grayscale display readable in bright sunlight or heavy rain. Depth measurements reach 20 feet (6 meters) with detection up to 100 feet (30 meters), supported by responsive firmware and a simplified interface for faster locating.

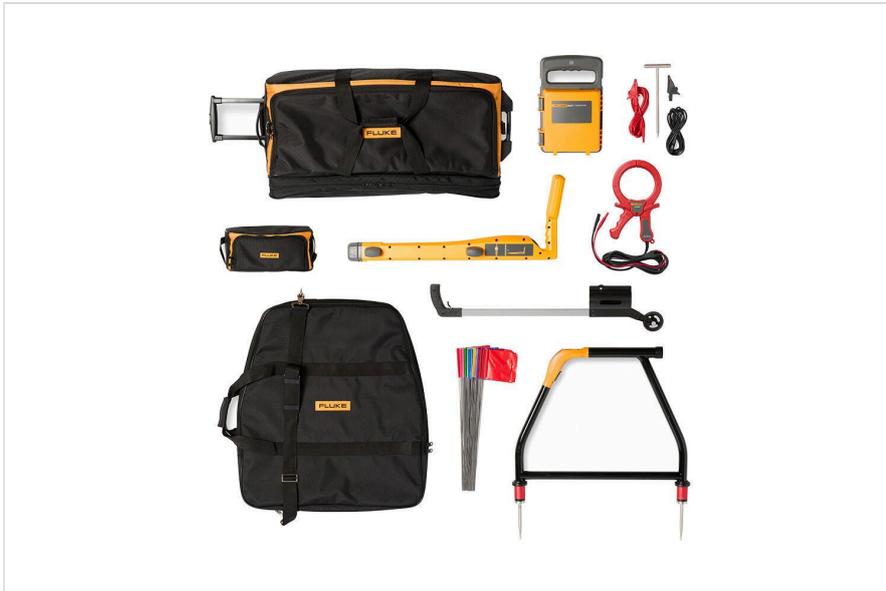
Complete with mapping flags, spray-stick holder, test leads, signal clamp, A-Frame and carrying case, the SmartTrace 2082BT-P Premium Kit arrives ready for immediate deployment, delivering the safety, precision, and connected documentation workflow trusted by professionals worldwide.

Specifications: Fluke SmartTrace™ 2082BT Premium 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	SC2082 Signal Clamp	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, Ø6.3×32 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-P

Fluke SmartTrace™ 2082BT Premium 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)
 - SC2082 Signal clamp
 - AF2082 A-Frame
 - MH2082 Marker holder
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