

TECHNICAL DATA

Fluke SmartTrace™ 2082 Core Underground Utility Locator Kit



Key features

- CAT IV 600 V safety for energized circuit work
- Depth measurement up to 20 ft (6 m)
- Grayscale display readable in sun or rain
- Multiple modes for energized and de-energized lines
- Rugged IP54 design for field durability

Product overview: Fluke SmartTrace™ 2082 Core Underground Utility Locator Kit

The Fluke SmartTrace™ 2082 Core Underground Utilities Locator Kit provides a safer, faster, and more accurate way to find buried electrical lines, communication cables, and other underground services. Built on Fluke's trusted safety heritage, the 2082 Core model combines high-performance locating with simple, intuitive operation—ideal for electricians, linemen, and contractors who need reliable results in the field.

Designed for use around energized systems, the SmartTrace 2082 features a CAT IV 600 V-rated transmitter—the highest electrical safety classification available for underground locators. This rating ensures protection when tracing live or mixed-voltage circuits, reducing the risk of accidental contact and increasing confidence on every job site.



The locator supports both energized and de-energized circuit tracing, with multiple frequency modes for diverse site conditions. Operators can measure depth up to 20 feet (6 meters) and detect signals as deep as 100 feet, helping them verify paths and identify potential conflicts before excavation or repair.

A high-contrast grayscale display provides clear visibility in full sunlight or wet conditions, while a rugged IP54-rated housing resists dust, moisture, and impact. Streamlined firmware and responsive controls simplify operation, minimizing setup time and user error in demanding environments.

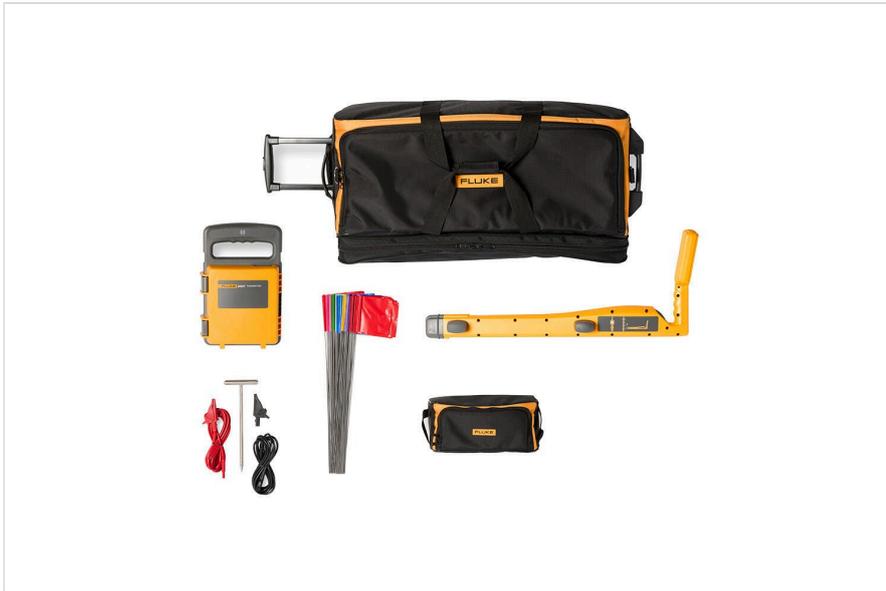
Supplied with transmitter, receiver, test lead set, and batteries, the SmartTrace 2082 Core Kit arrives ready to work straight out of the box. It delivers the precision, safety, and durability professionals expect from Fluke—helping crews locate underground assets quickly, prevent costly strikes, and keep critical operations running safely and efficiently.

Specifications: Fluke SmartTrace™ 2082 Core 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				
	2082T Transmitter	2082R Receiver	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.

Ordering information



FLUKE-2082

Fluke SmartTrace™ 2082 Core Underground Utility Locator Kit

Includes:

- 2082R 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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