

CL 20

BAUR cable locator



Simple, precise, economical

- Fast and exact location of position and laying depth of cables
- Intuitive operation – no special measurement knowledge required
- Lightweight and manageable

The CL 20 cable locator comprising a transmitter and a receiver is used to determine the exact location of cables and metal pipes. The ability to determine laying depths of up to 4.5 m and to measure signal currents at the touch of a button allows you to obtain reliable information on the position of the cable within the shortest time.

Various modes and functions make it easy to adapt the device to the respective conditions in the field, making it suitable for universal use.

Owing to the high power achievable at a low frequency (815 Hz), the cable locator CL 20 is especially suitable for locating longer cable lines, multiple earthed electrical lines and telephone cables, as well as CATV systems.

Features

- Locates cable routes and metal pipes
- Digital display of laying depth of cables and metal pipes
- Measures the signal current in the cable
- Battery-operated transmitter for the galvanic or inductive feeding of cables and pipes
- 4 operating modes available in the receiver for various location conditions:
 - Peak method
 - Pinpoint peak method
 - Null method
 - Tracing with right/left indication
- Optical signal display and acoustic signal with variable frequency
- Display of absolute and relative signal strength
- Automatic adjustment of signal amplification
- Automatic adjustment of impedance at direct signal coupling
- 4 active search frequencies:
 - 815 Hz
 - 8 kHz
 - 33 kHz
 - 82 kHz
- 2 power levels per search frequency
- Passive 50/60 Hz location of live cables
- Locates with radio frequencies (RF) and cathode protection (CP)
- Simultaneous use of 2 search frequencies (815 Hz & 82 kHz)
- Ergonomic design
- Easy to use

Technical data

| Transmitter | | | |
|---|---|-----------------|------|
| Operating frequencies | 815 Hz, 8 kHz, 33 kHz, 82 kHz | | |
| Load adjustment | 5 – 20,000 ohm (automatic) | | |
| Output power | Power levels | | |
| | Frequency | Normal | High |
| | 815 Hz | 0.2 W | 5 W |
| | 8 kHz | 0.2 W | 5 W |
| | 33 kHz | 0.2 W | 5 W |
| | 82 kHz | 0.2 W | 1 W |
| 815 Hz + 82 kHz | 0.2 W / 0.06 W | 3 W / 0.67 W | |
| | Battery type | | |
| Battery type | Lead-acid battery 12 V, 7 Ah (maintenance-free, leakproof) | | |
| Battery life (depends on load, frequency and power level) | <ul style="list-style-type: none"> Continuous operation: Approx. 10 – 20 h Short-time operation: Approx. 50 – 70 h | | |
| | Battery charging cycles | | |
| Battery charging cycles | 400 – 1,200 | | |
| Charger | | | |
| Power supply: | 100 – 240 V, 50/60 Hz, max. 1.5 A | | |
| Charging current: | 1,240 mA | | |
| Output voltage: | DC 14.5 V | | |
| Car charger | | | |
| Power supply: | DC 10/15 V | | |
| Charging current: | 1.0 A ± 10% | | |
| End-of-charge voltage: | DC 14.2 V | | |
| Ambient temperature (operational) | -20°C to +55°C | | |
| Storage temperature | <ul style="list-style-type: none"> Lead-acid battery fitted: -20°C to +55°C Lead-acid battery removed: -40°C to +55°C | | |
| | Dimensions (W x H x D) | | |
| Dimensions (W x H x D) | Approx. 410 x 160 x 150 mm | | |
| Weight | Approx. 5 kg | | |
| Degree of protection | IP54 | | |

Standard delivery

- Receiver
- Transmitter incl. battery
- Charger, 100 – 240 V
- Car charger
- 6 x 1.5 V alkali batteries IEC LR14
- Connection cable 3 m, with connection clips
- Earth spike
- Bag for receiver and transmitter
- User manual

| Receiver | |
|-----------------------------------|--|
| Operating frequencies | 815 Hz, 8 kHz, 33 kHz, 82 kHz, 50/60 Hz, RF/CP |
| Operating modes | <ul style="list-style-type: none"> Peak method Pinpoint peak method Null method Tracing with right/left indication |
| Acoustic signal | With variable frequency |
| Current measurement | Display of current level of searched cable |
| Battery type | 6 x 1.5 V alkaline batteries IEC LR14 |
| Battery life | <ul style="list-style-type: none"> Continuous operation: Approx. 40 h Short-time operation: Approx. 82 h |
| Signal strength display | LCD bar display Digital absolute value (0 – 999) |
| Amplification adjustment | Automatic & manual |
| Dynamic amplification | 126 dB |
| Depth measurement | Max. 4.5 m (automatic & 45° method) |
| Ambient temperature (operational) | -20°C to +55°C |
| Dimensions (W x H) | Approx. 770 x 240 mm |
| Weight | Approx. 1.3 kg |
| Degree of protection | IP54 |

| General | |
|----------------|---|
| Safety and EMC | CE compliant in accordance with Low Voltage Directive (2014/35/EU) and EMC Directive (2014/30/EU) |

Options

- Flexicoupler, approx. 100 mm, 8 kHz / 82 kHz
- Flexicoupler, approx. 180 mm, 815 Hz / 82 kHz
- Flexicoupler, approx. 180 mm, 8 kHz / 82 kHz
- Cable sheath fault location probe GRP
- Headphones