

BAUR Cable locator CL 20



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 measure signal currents at the touch of a button allow 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 lines 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
- 3 operating modes available in the receiver for various location conditions:
Peak method
Pinpoint peak method
Null method
- 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 and 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

Receiver	
Operating frequencies	815 Hz, 8 kHz, 33 kHz, 82 kHz, 50/60 Hz, RF/CP
Operating modes	Peak method Pinpoint peak method Null method
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	Continuous operation: 40 h Periodic operation: 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 (operation)	-20 ... 55°C
Dimensions (W x H)	770 x 240 mm
Weight	1.3 kg
Degree of protection	IP 54

Transmitter																			
Operating frequencies	815 Hz, 8 kHz, 33 kHz, 82 kHz																		
Load adjustment	5 ... 20,000 Ω (automatic)																		
Output power	Power levels:																		
	<table border="1"> <thead> <tr> <th>Frequency</th> <th>Low</th> <th>High</th> </tr> </thead> <tbody> <tr> <td>815 Hz</td> <td>0.2 W</td> <td>5 W</td> </tr> <tr> <td>8 kHz</td> <td>0.2 W</td> <td>5 W</td> </tr> <tr> <td>33 kHz</td> <td>0.2 W</td> <td>5 W</td> </tr> <tr> <td>82 kHz</td> <td>0.2 W</td> <td>1 W</td> </tr> <tr> <td>815 Hz + 82 kHz</td> <td>0.2 W / 0.06 W</td> <td>3 W / 0.67 W</td> </tr> </tbody> </table>	Frequency	Low	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
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Battery type	12 V, 7 Ah lead-acid battery (maintenance-free, leakproof)																		
Battery life (depends on load, frequency and power level)	Continuous operation: 10 ... 20 h Periodic operation: 50 ... 70 h																		
Battery charging cycles	400 ... 1,200																		
Ambient temperature (operation)	-20 ... 55°C																		
Dimensions (W x H x D)	410 x 160 x 150 mm																		
Weight	5 kg																		
Degree of protection	IP54																		

Delivery includes

- Receiver
- Transmitter incl. rechargeable battery
- Charger
- 6 x 1.5 V alkaline batteries IEC LR14
- Connection cable
- Measurement probe
- Bag for receiver and transmitter
- User manual

Options

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