

SCHIEBEL



COMIDTM

COMPACT
MINE DETECTOR

COMID™ COMPACT MINE DETECTOR



The COMID™ Compact Mine Detector represents the latest development in Schiebel's mine detection technology. Minimum-metal content mines in nearly all types of soils and terrain conditions can be detected with ease, especially viable in areas with severe laterite conditions (a high content of iron or aluminum oxides). COMID™ is characterized by easy handling in static search, quick calibration and improved visual and acoustic support functions, helping the user to implement the required actions quickly and safely.

Simplified pin-pointing is made possible with different audio signals for the left and right halves of the search head, aiming at maximum support with minimal training effort. Furthermore, the tone modulation varies depending on the size and geometry of as well as the distance to the detected object. Always in the visual field, an LED display, integrated in the search head, minimizes the risk of distraction.

Enhanced ground and salt-water compensation eliminate difficulties of the terrain, helping the deminer to focus on his essential work in all types of military and humanitarian operations. The addition of an infrared data port allows the quick update of new software versions.

In multi-channel operation, a number of COMID™ can operate simultaneously at a two-meter distance apart only.

TECHNICAL FEATURES

- Enhanced ground compensation
- Continuous-wave operation
- Static search
- Very quick calibration, independent of ground intensity or soil

- During calibration directly above a low-metal reference test piece (PMA3), ground compensation is not negatively affected
- Clear differentiation between the two pin-pointing tones
- Tone modulation as indication for the size and/or metal content of the detected item
- LED display with different colors integrated directly into the search head to keep the deminer focused on the ground
- Different LED colors to show detection in either half of the search head
- The most recent ground calibration is retained
- Multi-channel operation allows the simultaneous deployment of a number of COMID™ close to each other
- Infrared data port for software updates

ELECTRONICS UNIT

The water-resistant electronics unit contains the control panel, a printed circuit board and the battery compartment.

SEARCH HEAD WITH TELESCOPIC POLE

Embedded in the oval-shaped search head, an LED display provides information about where the center point of the detected object is – visualized with different colors for detection below either half of the search head.

The telescopic pole consists of an inner and an outer tube, an arm support and an adjustable handgrip.

HEADPHONE

The single speaker headphone is designed for wear under a ballistic helmet.



ACCESSORIES

A backpack-style carry bag with individual accessory pockets contains all parts and accessories for the operation of the COMID™. The carry bag fits in a watertight aluminum transport and storage case. The case features a vent valve, making it suitable for air cargo.

OPERATION

While utilizing the COMID™, the operator sweeps the search head, as close to the ground as possible, in a side-to-side motion across the lane, at a rate of approximately 0.1 to 0.6 meters per second. A distinctive signal will sound in the headphone when the search head passes over a metal object. The acoustic signal changes in frequency to assist in exact target location, even differentiating if the find is underneath the right or left half of the search head. Additionally, the LED display in the search head facilitates pin-pointing. Effective operation requires a small but essential element of training.

SUMMARY

The COMID™ Compact Mine Detector is at the cutting edge of technology providing the best combination of the advantages of all systems with the most operational benefits possible. Here simplicity meets precision.

UPGRADE

The COMID™ is also available as an upgrade for the proven Schiebel AN-19/2 and ATMID™ mine detectors. Search head and electronics card/unit can easily be replaced for cost-efficient revaluation of older systems.

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POWER SUPPLY

Type of batteries: ANSI standard size D
IEC standard size LR20

Number of batteries: four 1.5 V dry battery cells

TYPICAL OPERATING ENDURANCE

At medium temperature
with alkaline batteries: 70 hours

DETECTION RANGES

Mine with very small metal content
(Test Piece 5 CM 0.15 g): >10 cm (4")
Typical anti-tank mine: >50 cm (20")

ENVIRONMENTAL

Storage temperature: -55°C to +85°C
(-67°F to +185°F)

Operational temperature: -40°C to +70°C
(-40°F to +158°F)

WEIGHTS

COMID™

Compact Mine Detector: 6.16 kg (13.58 lbs)

Search head with telescopic pole: 1.30 kg (2.87 lbs)

Electronics unit: 1.08 kg (2.38 lbs)

Headphone: 0.17 kg (0.38 lbs)

Carry bag: 1.41 kg (3.11 lbs)

Transport case: 2.20 kg (4.85 lbs)

DIMENSIONS

Transport case: 802 x 315 x 125 mm
(31.6" x 12.4" x 4.9")

Electronics unit: 185 x 80 x 150 mm
(7.3" x 3.2" x 5.8")

Search head: 305 x 255 mm
(12" x 10")

Telescopic pole,
three fixed positions: 1200 mm (47.2")
1300 mm (51.2"), and
1400 mm (55.1") fully extended

Telescopic pole: 770 mm (30.3") collapsed

All data subject to change without notice

SCHIEBEL

MINE DETECTION SYSTEMS

For further information, orders and delivery please contact one of the following offices:

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