FOERSTER

PRE-DEPLOYMENT INSPECTION OF NAVAL EOD EQUIPMENT

Magnetic signatures can jeopardize naval EOD missions. MAGNETOMAT reliably detects even the smallest magnetic fields to meet military standards.

THE CHALLENGE

Naval explosive ordnance disposal (EOD) divers rely on non-magnetic equipment to safely operate near magnetically fused sea mines. Before deployment, complete diving equipment must be verified to ensure it does not exceed the strict magnetic field limits defined by military standards. Standards such as STANAG 2897 and AEODP-07 specify a maximum magnetic field signature of 5 nT at a distance of 10 cm. Reliable verification of complete equipment is therefore essential to ensure operational readiness and personnel safety.

THE SOLUTION

FOERSTER's MAGNETOMAT provides a dedicated inspection station for verifying the magnetic signatures of complete naval EOD equipment before deployment. The system combines a non-magnetic test stand with up to four high-sensitivity differential probes and MAGDATA software to measure even the weakest magnetic field signatures with high precision. During inspection, the complete diving equipment is systematically checked under controlled conditions. Differential measurement minimizes the influence of environmental magnetic fields, ensuring reliable and reproducible results. This enables military organizations to verify compliance with STANAG 2897 and AEODP-07 before equipment is approved for operational use.

THE RESULT

The MAGNETOMAT enables rapid and highly accurate verification of complete naval EOD equipment before deployment. Reliable differential measurement reduces the influence of ambient magnetic fields and ensures reproducible inspection results. Compliance with military standards supports operational readiness and helps ensure the safe deployment of naval EOD personnel.

MAGNETOMAT

PC-supported magnetometer for measuring magnetic flux density and relative permeability

MAGDATA SOFTWARE

Software Solutions for Data Transfer, Analysis and HotSpot Evaluation

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