DC MAGNETIC FIELDS
MAGNETIC FIELD KITS FOR DC MAGNETIC FIELD TESTING

A recent trend, now supported in ISO 11452-8 is to perform immunity tests using DC magnetic fields. As DC magnetic fields can not be measured in the traditional way, a Hall sensor must be used for verification. Precise positioning is extremely critical for accurate measurements, so a low-ferrous-content tripod assembly is provided for the sensor. No single coil can provide all four test levels, so these kits are provided with two coils each.

Available in Helmholtz and radiated loop variants.

HIGHLIGHTS
- Guaranteed field strength 30 to 4000 A/m
- Fulfills ISO 11452-8 Level I - IV
- Includes Hall sensor, stand and two coils
- For DC magnetic fields according to ISO 11452-8
- Fully integrated in autowave.control for ease-of-use

APPLICATION AREAS
AUTOMOTIVE
TECHNICAL DETAILS

BENEFITS
Add to your AMP 200N2-based system and your supported current measurement device, this kit includes everything you need to generate DC magnetic fields from 30 to 4000 A/m with guaranteed field strength, of course fully integrated in our autowave.control for just the right combination of a large pallet of features you need, made easy to use.

TEST SETUP

TESTS FOR DC MAGNETIC FIELDS:
First, the calibration must be performed using the probe where autowave.control will store the current values needed to achieve the desired field strength at each step.

Then, the probe is removed from the setup and the test is performed using the substitution mode concept.

DC MAGNETIC FIELD KITS

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Field Strength</th>
<th>30 A/m to 4000 A/m (DC)</th>
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</thead>
<tbody>
<tr>
<td>Available Models</td>
<td>Radiating Loop (Art. No. 1004304)</td>
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<tr>
<td></td>
<td>Helmholtz (Art. No. 1004303)</td>
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</tbody>
</table>

GENERAL DATA

ENVIRONMENT

<table>
<thead>
<tr>
<th>Temperature</th>
<th>10° C to 40° C</th>
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<tbody>
<tr>
<td>Rel. humidity</td>
<td>Max. 85 %, non condensing</td>
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<tr>
<td>Atmospheric pressure</td>
<td>86 kPa (860 mbar) to 106 kPa (1,060 mbar)</td>
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INCLUDED ACCESSORIES

General
Adapter for holding the Hall sensor on the mast
Mast for holding the Hall sensor
Mast base
Hall sensor
Zero-gauss chamber for zeroing the hall sensor.
MN-DC HField matching network

Helmholtz
HHS 5206-16
HHS 5206-132

Radiating Loop
RL 120
FESP 5133-1330