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.

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**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>
</tr>
<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 |
COMPETENCE WHEREVER YOU ARE

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Information about scope of delivery, visual design and technical data correspond with the state of development at time of release. Subject to change without further notice.