

# DC MAGNETIC FIELDS

## MAGNETIC FIELD KITS FOR DC MAGNETIC FIELD TESTING



**FOR TESTS ACCORDING TO ...**

- › ISO 11452-8
- › VW 81000

### DC MAGNETIC FIELDS


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**

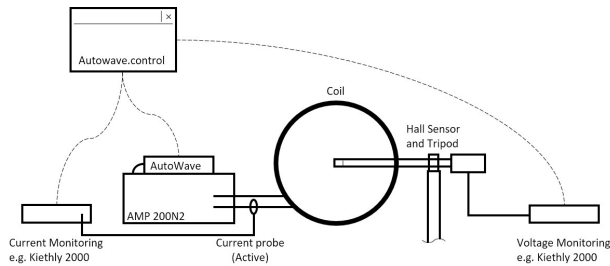
Add to your AMP 200N2-based system and your supported current measurement device, this kit includes everything you need to generate DC magnetic fields from 30 to 4000 A/m with guaranteed field strength, of course fully integrated in our autowave.control for just the right combination of a large pallet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

Field Strength	30 A/m to 4000 A/m (DC)
Available Models	Radiating Loop (Art. No. 1004304) Helmholtz (Art. No. 1004303)

**GENERAL DATA**

**ENVIRONMENT**

Temperature	10° C to 40° C
Rel. humidity	Max. 85 %, non condensing
Atmospheric pressure	86 kPa (860 mbar) to 106 kPa (1,060 mbar)

**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



## CONTACT EM TEST DIRECTLY

### Switzerland

AMETEK CTS GmbH › Sternenhofstraße 15 › 4153 Reinach › Switzerland  
Phone +41 (0)61 204 41 11 › Fax +41 (0)61 204 41 00  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com) › E-mail: [sales.conducted.cts@ametek.com](mailto:sales.conducted.cts@ametek.com)

### Germany

AMETEK CTS Europe GmbH › Customer Care Center EMEA › Lünener Straße 211  
› 59174 Kamen › Germany  
Phone +49 (0) 2307 26070-0 › Fax +49 (0) 2307 17050  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com) › E-mail: [info.cts.de@ametek.com](mailto:info.cts.de@ametek.com)

### Poland

AMETEK CTS Europe GmbH › Biuro w Polsce › ul. Twarda 44 › 00-831 Warsaw › Poland  
Phone +48 (0) 518 643 12  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com) › E-mail: [Infopolska.cts@ametek.com](mailto:Infopolska.cts@ametek.com)

### USA / Canada

AMETEK CTS US › 52 Mayfield Ave › Edison › NJ 08837 › USA  
Phone +1 732 417 0501  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com) › E-mail: [usasales.cts@ametek.com](mailto:usasales.cts@ametek.com)

### P.R. China

AMETEK Commercial Enterprise (Shanghai) Co. Ltd. › Beijing Branch › Western Section, 2nd floor › Jing Dong Fang Building (B10) › Chaoyang District › Beijing, China, 100015  
Phone +86 10 8526 2111 › Fax +86 (0)10 82 67 62 38  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com) › E-mail: [chinasales@ametek.com](mailto:chinasales@ametek.com)

### Republic of Korea

EM TEST Korea Limited › #405 › WooYeon Plaza › #986-8 › YoungDeok-dong › Giheung-gu › Yongin-si › Gyeonggi-do › Korea  
Phone +82 (31) 216 8616 › Fax +82 (31) 216 8616  
Internet: [www.emtest.co.kr](http://www.emtest.co.kr) › E-mail: [sales@emtest.co.kr](mailto:sales@emtest.co.kr)

### Singapore

AMETEK Singapore Pte. Ltd › No. 43 Changi South Avenue 2 › 04-01 Singapore 48164  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com) › E-mail: [singaporesales.cts@ametek.com](mailto:singaporesales.cts@ametek.com)

### Great Britain

AMETEK GB › 5 Ashville Way › Molly Millars Lane › Wokingham › Berkshire RG41 2 PL › Great Britain  
Phone +44 845 074 0660  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com)

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.