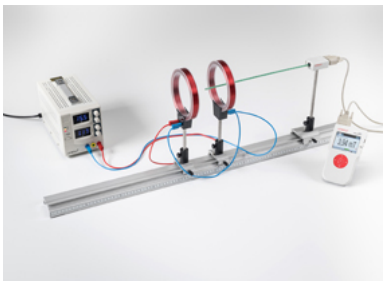
Misurazione del campo magnetico di una coppia di bobine di Helmholtz

Numero P3.3.4.3



Descrizione

The experiment P3.3.4.3 examines the homogeneity of the magnetic field in a pair of Helmholtz coils. The magnetic field along the axis through the coil centers is recorded in several measurement series; the spacing *a* between the coils is varied from measurement series to measurement series. When *a* is equal to the coil radius, the magnetic field is essentially independent of the location *x* on the coil axis.

Dispositivi

Q.tà richiesta	Dispositivo
0/1	Pair of Helmholtz coils
0/1	Mobile-CASSY 2 WiFi
0/1	Axial B sensor S, ±1000 mT
0/1	Extension cable, 15 pin
0/1	DC Power Supply 0...16 V/0...5 A
0/1	Optical bench, S1 profile, 1 m
0/1	Clamp rider with clamp 45/65
0/2	Clamp rider with clamp 45/35
0/1	Connecting lead, 32 A, 50 cm, blue
0/1	Connecting lead, 32 A, 100 cm, red
0/1	Connecting lead, 32 A, 100 cm, blue