







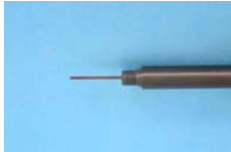


● **Field Coils**

FS Series to measure the magnetic field strength or flux density (induction)	<b>FS 100/1</b> 	<b>FS 100/2</b> 	<b>FS 1000</b> 
Area turns	100 cm <sup>2</sup>	100 cm <sup>2</sup>	1000 cm <sup>2</sup>
Resistance	110 Ω	220 Ω	1330 Ω
Outer diameter of winding	8 mm	6 mm	12 mm
Dimensions of coil former (without handle)			
Length, min.	80 mm	60 mm	80 mm
Width, max.	16 mm	8 mm	16 mm
Thickness, max.	1 mm	2 mm	2 mm

PKS Point Coils with exceptionally minute dimensions	<b>PKS 3</b> 	<b>PKS 5</b> 
Area turns	3.5 cm <sup>2</sup>	5.5 cm <sup>2</sup>
Resistance	25 Ω	35 Ω
Outer diameter of winding	2.7 mm	2.2 mm
Dimensions of coil former (without handle)		
Length	38 mm	38 mm
Width	5 mm	5 mm
Thickness	0.5 mm	1 mm

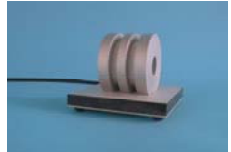



DFS Thin Film Coil for measurements in narrow air gaps	<b>DFS</b> 
Area turns	6.3 cm <sup>2</sup>
Resistance	8 Ω
Winding	
Length	10 mm
Width	5 mm
Dimensions of coil former	
Length	100 mm
Width	6 mm
Thickness	0.3 mm

## ● Potential Coils




PS Series to measure the magnetic potential (magnetic tension)	<b>PS 40</b> 	<b>PS 150</b> 	<b>PS 250</b> 
Measuring constant	3500 kA/Vs	1200 kA/Vs	3300 kA/Vs
Resistance	800 Ω	7300 Ω	950 Ω
Dimensions (without handle)			
Free length	30 mm	150 mm	240 mm
Length of winding	40 mm	150 mm	250 mm
Diameter	1.6 mm	3.5 mm	3.3 mm

## ● Moment Coils

The coils MS 150, MS 210 and MS 990 x 990 can also be used to generate magnetic fields.

MS Series to measure the magnetic moment and dipole moment of permanent magnets	<b>MS 20</b> 	<b>MS 75</b> 	<b>MS 150</b> 	<b>MS 210</b> 	<b>MS 990 x 990</b>  square moment coil
Measuring constant	0.00022 cm	0.0078 cm	0.015 cm	0.014 cm	1.5 cm
Resistance	6650Ω	77 Ω	37 Ω	75 Ω	13 Ω
Free diameter	18 mm	65 mm	140 mm	200 mm	
Limits for 1% accuracy					
Max. magnet height	5 mm	30 mm	50 mm	70 mm	220 mm
Max. diameter	10 mm	31 mm	70 mm	94 mm	160 mm

## • Saturation Coils

JS Series	JS 13	JS 20	JS 30
to measure the magnetic dipole moment or the magnetic saturation polarization of soft magnetic components			
Measuring constant	0.001 cm	0.0036 cm	0.0042 cm
Resistance	2200 Ω	850 Ω	850 Ω
Flux density	170 mT	150 mT	115 mT
Free diameter	13 mm	20 mm	30 mm
Max. specimen length for 1% accuracy	17 mm	17 mm	25 mm

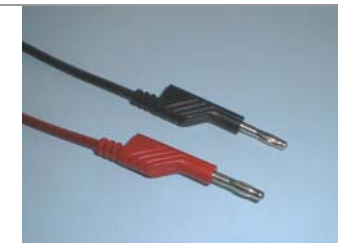
## • Ordering

All coils can be obtained with a connection plug that contains a data memory to transfer the coil data to electronic fluxmeters EF 5 and EF 14. The data memory allows an automatic configuration of the fluxmeters. The coils can be alternatively ordered with bunch plugs. Please specify the desired plug style at time of order.

The stated area turns, measuring constants and resistances are approximate values. The exact values are determined for every coil by calibration.



Plug for EF 5 and EF 14



Bunch plugs (examples)

A proprietary calibration certificate containing measured values and uncertainties of measurement can be supplied free of cost on request. A calibration can also be carried out in our accredited DKD calibration laboratory (except for PS and JS series coils). This requires an extra charge.

Due to continuous product improvements specifications are subject to change without notice. Customized coils are possible.