

• Field Coils

FS Series	FS 100/1	FS 100/2	FS 1000	FS Series	FS 100A-8220
transverse field coils for measuring the magnetic field strength or flux density (induction)				axial field coil	
Area turns	100 cm ²	100 cm ²	1000 cm ²	Area turns	100 cm ²
Resistance	110 Ω	220 Ω	1330 Ω	Resistance	100 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	Length, min.	200 mm
Width, max.	16 mm	8 mm	16 mm	Diameter, nom.	8.2 mm
Thickness, max.	1 mm	2 mm	2 mm		

PKS Point Coil	PKS 3	DFS Thin Film Coil	DFS
with exceptionally small dimensions		for measuring in narrow air gaps	
Area turns	3.5 cm ²	Area turns	6.3 cm ²
Resistance	25 Ω	Resistance	8 Ω
Outer diameter of winding	2.7 mm	Winding	
Dimensions of coil former (without handle)		Length	10 mm
Length	38 mm	Width	5 mm
Width	5 mm	Dimensions of coil former	
Thickness	0.5 mm	Length	100 mm
		Width	6 mm
		Thickness	0.3 mm

• Potential Coils

PS Series for measuring the magnetic potential (magnetic tension)	PS 2204 	PS 3515 	PS 250 
Measuring constant	3500 kA/Vs	1200 kA/Vs	3300 kA/Vs
Resistance	800 Ω	7300 Ω	950 Ω
Dimensions (without handle)			
Free length	40 mm	150 mm	240 mm
Length of winding	40 mm	150 mm	250 mm
Diameter	2.2 mm	3.5 mm	3.3 mm

• Saturation Coils

JS Series for measuring the magnetic dipole moment or the magnetic saturation polarization of soft magnetic components	JS 13 	JS 20 	JS 30 
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



Measuring Coils for Fluxmeters



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• Ordering

All coils are available with connector plugs with data memories. These allow coil data to be transferred to EF 5, EF 6, EF 7 and EF 14 electronic fluxmeters so that they are automatically configured. Alternatively, the coils are available with bunch plugs. Please specify the connector type when ordering.

The numerical values given are the nominal values. The exact values of the winding areas, constants and resistances are determined for each coil by a calibration.



A calibration certificate containing measured values and uncertainties of measurement is included with the coil. It is an ISO/IEC 17025 accredited calibration for the field coils and a proprietary one for the PS and JS series coils.

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