



# Search coils

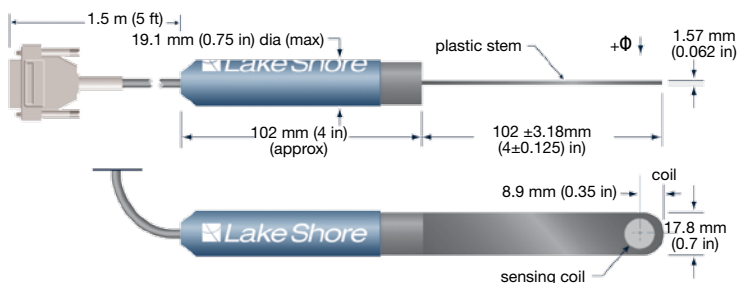
(for use with the Model 480 fluxmeter only)

The 100 cm<sup>2</sup> field probe is the most commonly used search coil, while the 30 cm<sup>2</sup> field probe is useful for measurements in narrow gaps or where field gradients dictate the use of a smaller coil diameter.



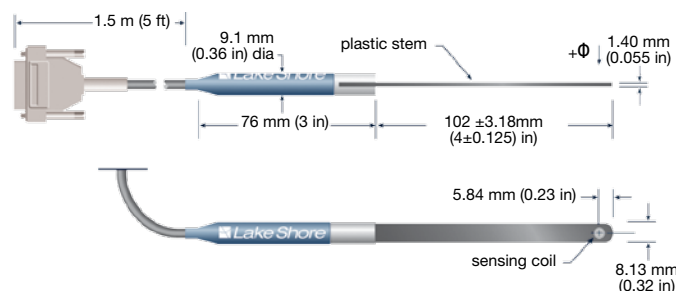
	FNT-6R04-100				FNT-5P04-30			
Calibration accuracy	0.25%				0.35%			
Area-turns (approx)	100 cm <sup>2</sup>				30 cm <sup>2</sup>			
Coil resistance (approx)	6.5 Ω				110 Ω			
Average coil diameter	10.4 mm				3.9 mm			
Operating temperature range	0 °C to 60 °C							
Input resistance (fluxmeter)	10 kΩ		100 kΩ		10 kΩ		100 kΩ	
DC ranges	$\Phi$	B	$\Phi$	B	$\Phi$	B	$\Phi$	B
	30 mV-s	3 T	300 mV-s	30 T	30 mV-s	10 T	300 mV-s	100 T
	3 mV-s	300 mT	30 mV-s	3 T	3 mV-s	1 T	30 mV-s	10 T
Additional AC ranges	300 μV-s	30 mT	3 mV-s	300 mT	300 μV-s	100 mT	3 mV-s	1 T
	30 μV-s	3 mT	300 μV-s	30 mT	30 μV-s	10 mT	300 μV-s	100 mT
	3 μV-s	300 μT	30 μV-s	3 mT	3 μV-s	1 mT	30 μV-s	10 mT

## FNT-6R04-100



**NOTE:** + $\Phi$  is designated as that flux passing through the coil, into the side with the Lake Shore logo on the probe handle

## FNT-5P04-30



**NOTE:** + $\Phi$  is designated as that flux passing through the coil, into the side with the Lake Shore logo on the probe handle

## Ordering information

Part number	Description
FNT-5P04-30	Field probe: 30 cm <sup>2</sup>
FNT-6R04-100	Field probe: 100 cm <sup>2</sup>

All specifications are subject to change without notice