

Search coils

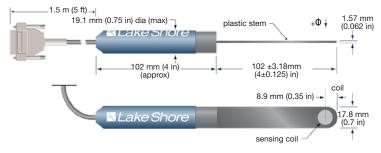
(for use with the Model 480 fluxmeter only)

The 100 cm² field probe is the most commonly used search coil, while the 30 cm² field probe is useful for measurements in narrow gaps or where field gradients dictate the use of a smaller coil diameter.



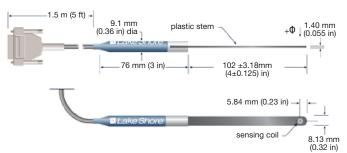
	FNT-6R04-100				FNT-5P04-30			
Calibration accuracy	0.25%				0.35%			
Area-turns (approx)	100 cm ²				30 cm ²			
Coil resistance (approx)	6.5 Ω				110 Ω			
Average coil diameter	10.4 mm				3.9 mm			
Operating temperature range	0 °C to 60 °C							
√ RoHS	Yes				No			
Input resistance (fluxmeter)	10 kΩ		100 kΩ		10 kΩ		100 kΩ	
DC ranges	Φ	В	Φ	В	Φ	В	Φ	В
	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
	300 μV·s	30 mT	3 mV⋅s	300 mT	300 μV·s	100 mT	3 mV⋅s	1 T
Additional AC ranges	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 cm²
FNT-6R04-100 Field probe: 100 cm²

All specifications are subject to change without notice