Search coils

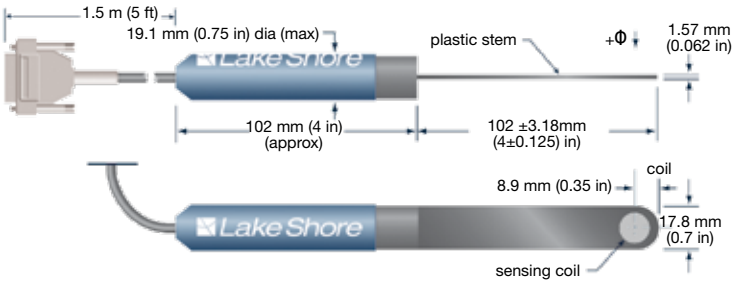
(for use with the Model 480 fluxmeter only)

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.



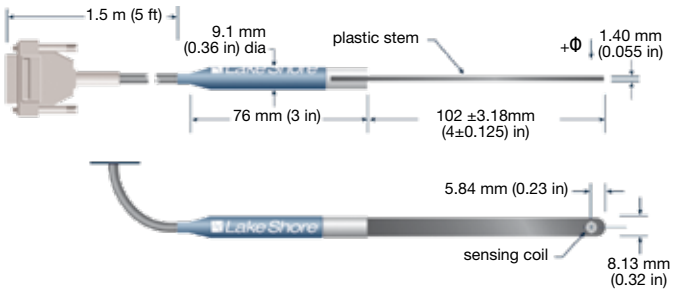
	FNT-6R04-100				FNT-5P04-30			
Calibration accuracy	0.25%				0.35%			
Area-turns (approx)	100 cm²				30 cm²			
Coil resistance (approx)	6.5 Ω				110 Ω			
Average coil diameter	10.4 mm				3.9 mm			
Operating temperature range	0 °C to 60 °C							
RoHS	Yes				No			
Input resistance (fluxmeter)	10 kΩ		100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

FNT-6R04-100



NOTE: +Φ 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: +Φ 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