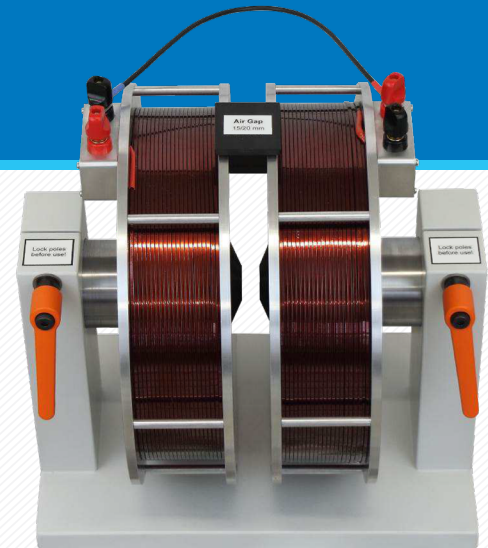


MODEL NUMBER:
ELMAG20A

**Air Gap
 Electromagnet**

DESCRIPTION:

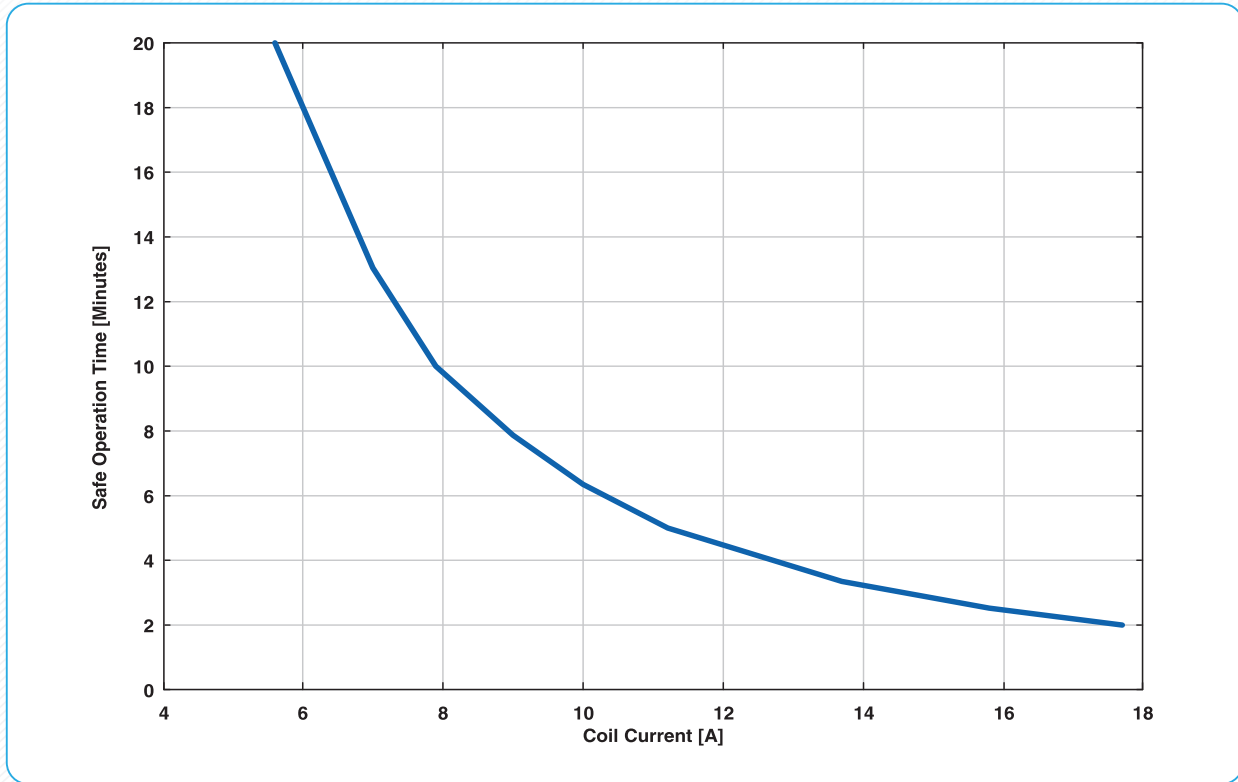
The Electromagnet ELMAG20A can generate strong magnetic fields for different experimental applications up to 2.2 Tesla. Depending on the magnetic fluctuations density and the equipment that is under test the air gap can be adjusted continuously. The magnet poles come with conical shape close to the test volume to improve accessibility and to optimize the achievable magnetic flux density. It comes with levers for easy use.



SPECIFICATIONS

Number of turns per coil:	2000
Resistance at room temperature:	14 Ω
Resistance during use:	16 Ω
Maximum Coil Current:	20 A 1 min, 15 A 3 min, 10A 6 min, 5 A >20 min
Air Gap between poles:	0-3.7 inches
Max magnetic Flux Density:	>2.2 T
Coil diameter:	13.1 inches
Pole diameter at EuT:	1.1 inches
Dimensions base plate:	15 x 9.3 x .86 inches
Height:	16 inches
Height above base pole:	7 inches
Terminals:	15 inches
Inductance (pair of coils):	1.89 H / 10 Hz, 1.085 H / 20 Hz, 0.55 H / 50 Hz, 0.4 H / 100 Hz
DC Power Supply for serial operation:	250 V / 20A
Flux density:	5-8 mT
Weight:	260 lbs

SAFE OPERATION TIME



POWER LOSS IN MAGNET COIL WINDINGS

