

SA957072

Rare Early Induction Coil or Ruhmkorff Coil by Heinrich Daniel Ruhmkorff

Price

GBP 3,000

| USD \$4,060 | EUR 3,510

Item Reference: SA957072

Date of manufacture: 1850

Dimensions

Height = 20 cm (7.9")

Width = 52 cm (20.5")

Depth = 23 cm (9.1")

Description

For sale an early original induction coil or Ruhmkorff coil by Heinrich Daniel Ruhmkorff. Comprised of a dark mahogany graduated base with a twelve-inch copper wound two-part coil with iron core and glass insulating circular end caps. At one end there are connections for the battery power source with a hand operated barrel switch to engage or disengage the battery power as required. The application of direct current to the inner winding causes the iron core of the coil to become magnetised which in turn effects a magnetic contact arm at the further end of the coil, namely the interrupter which rises and falls to continuously create and then break electrical contact. This motion has the effect of creating high voltage alternating current across the secondary coil which is then released via the two-pin spark gap provided on two upright insulated glass rods. Although unsigned, this example conforms in design to all known examples of Ruhmkorff's early induction coils (ref images provided) and is undoubtedly from Ruhmkorff's Paris workshop of the 1850's. Very few extant examples seem to remain in existence and I can find just two of similar design which are held in museum col...

Seller Details

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