

Ammeter 3815.70

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AC 3815.70



The Ammeter 3815.70 is a sturdy instrument for both direct and alternating current which is specifically designed for use by students. The instrument is provided with a DC/AC switch and three current ranges.

To measure the current at a point in a circuit, the circuit is cut there and the ammeter is inserted.

Select DC or AC with the switch and connect the circuit to the red 5 A connector and the black connector labelled 0. A direct current must run into the red socket and out of the black.

If necessary, switch to a more sensitive measurement range by moving the lead from the 5 A socket to the 0.5 A or eventually the 0.05 A socket.

The markings correspond to the full scale of the dial. For example, a reading of "3" in the 0.05 A range indicates a current of 0.03 A = 30 mA.

Alternating currents are RMS values.

Frederiksen's student instruments

3815.60 Voltmeter, 3815.70 Ammeter and 3815.80 Galvanometer are a series of basic, rugged analog instruments for student use.

These instruments are built for low voltage use and must not be connected to voltages exceeding 30 V.

Specifications

Ranges (DC & AC):	0.05 A; 0.5 A; 5.0 A
Precision:	± 2 % of full scale
Max. voltage drop:	DC: 0.25 V AC: 0.27 V

Dimensions:	158 x 108 x 58 mm
Scale length:	72 mm

The instrument will tolerate overloads up to 15 A for at least 10 seconds.