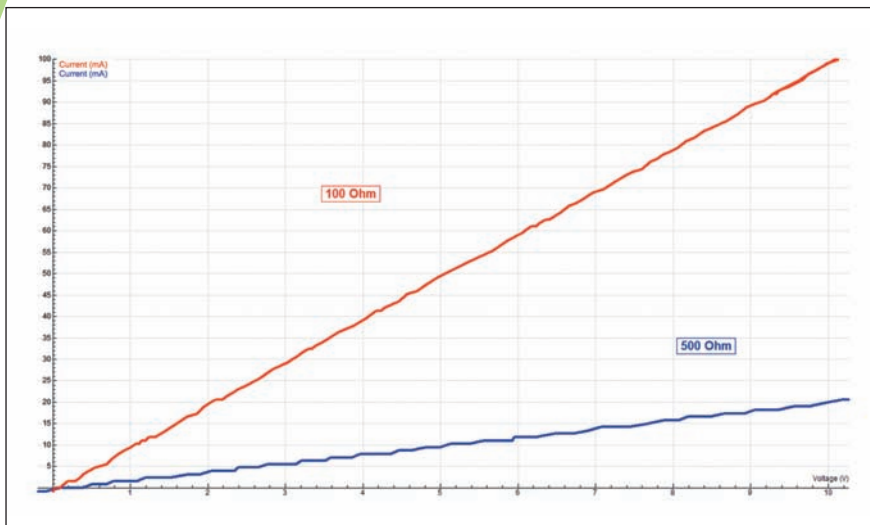


Bestelinformatie

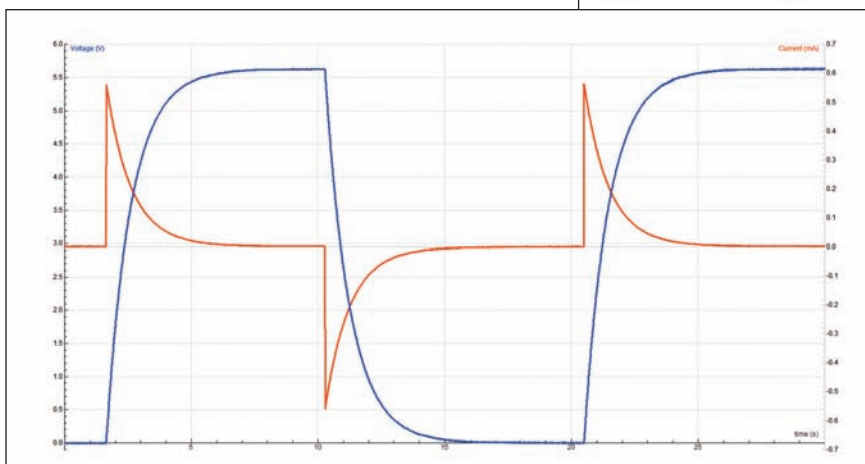
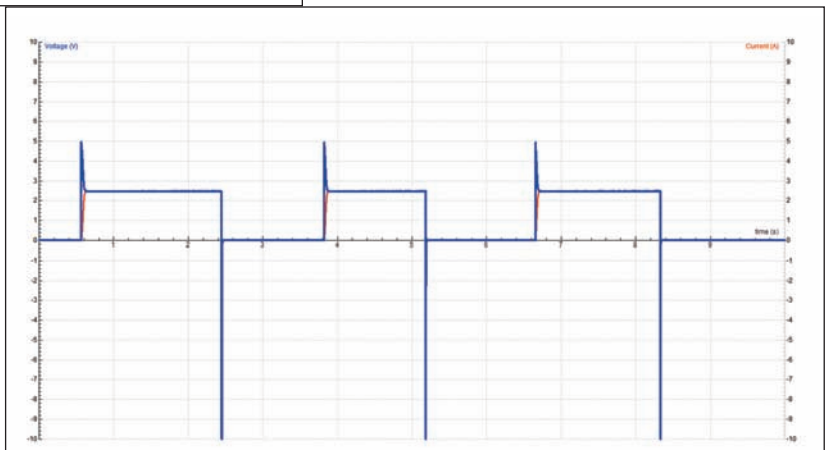
Meten in Coach met interface naar keuze gebruikte sensoren:

- 0210i Differentiële spanningsensor, -10 .. +10 V
 0222i Stroomsensor, -500 .. +500 mA

Uitbreiding bij Elektriciteit, Elektromagnetisme en Elektronica modules



Wet van Ohm

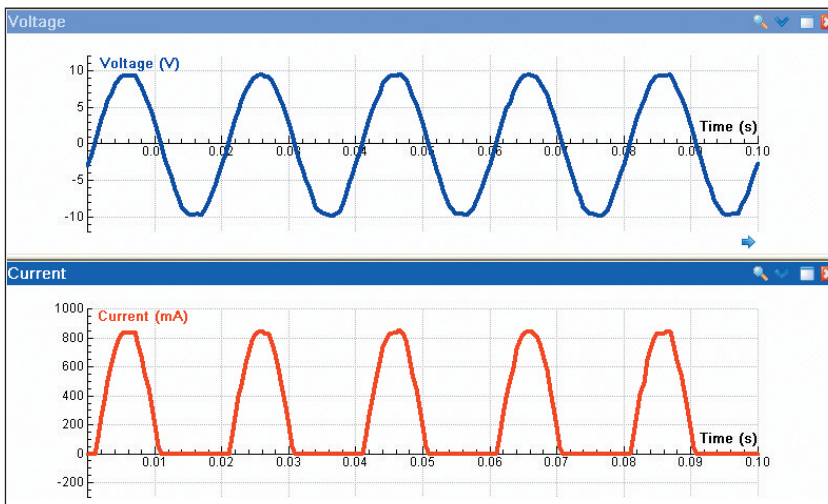


Het diagram toont de oplaad- en ontladcurve van een condensator

In tegenstelling tot conventionele meetmethoden met multimeters, is het met Coach mogelijk meetwaarden in de tijd te volgen en spanning of stroom weer te geven in een diagram of tabel voor verdere bewerking.



Inschakel- en uitschakeleffecten bij een spoel



Gelijkrichten van wisselspanning

Met interface en sensoren zijn oscilloscoop en meetversterker overbodig!



Coach 6 - english - 61_07 CPES_1_10 Electromagnetic induction.cmr

File Start Display Options Help

Task

Electromagnetic Induction

Advice

A picture of the interface gets displayed through clicking on the symbol "announce interface" in the tool bar above.

The elected sensors get displayed at the appropriate space on the display of the interface and the instantly imported measured value gets indicated (controlling opportunity).

The indication of the measured value gets already done BEFORE the measurement gets started!

When clicking on the symbol again, the measuring interface gets faded out.

Assembly

The coil 800 wdgts. (4) gets plugged in its associated module (3), switched as shown on the picture and connected with the voltage sensor (1).

The voltage sensor (1) gets connected at the 1st analogue input.

Experiments

1. The measurement gets started. With its northpole ahead, the bar magnet gets dropped from a low height through the coil.

CH1 : Voltage sensor (differential) [Standard]

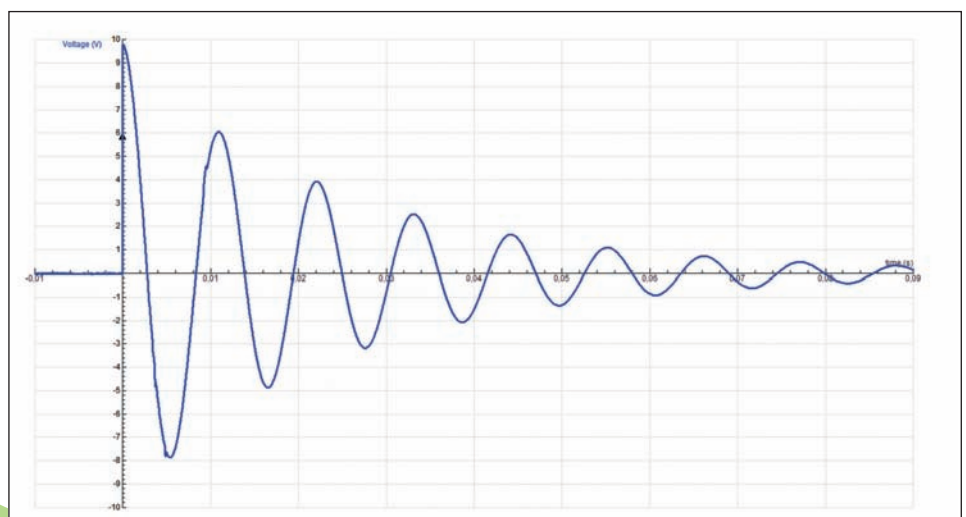
V
0,0
V

Material

ID	Part	Quantity	Description
1	P4210-1S	1	Voltage sensor -10...+10 V
2	P3910-1A	1	Plug-in panel, small
3	P3911-2J	1	PIB for coil 800 turns
4	P3911-2R	1	Coil 800 turns SE, blue
5	P3911-2K	1	PIB for coil 2 x 800 turns
6	P3911-2S	1	Coil 2 x 800 turns SE, red
7	P3910-1H	2	PIB wire, angled, with socket
8	P3910-1B	2	PIB connector
9	P3410-1K	1	Bar Magnet, AlNiCo, D=10 mm, L=50 mm

CH1 : Voltage sensor (differential)

Elektromagnetische inductie



Spanning over een condensator in een resonantiecircuit