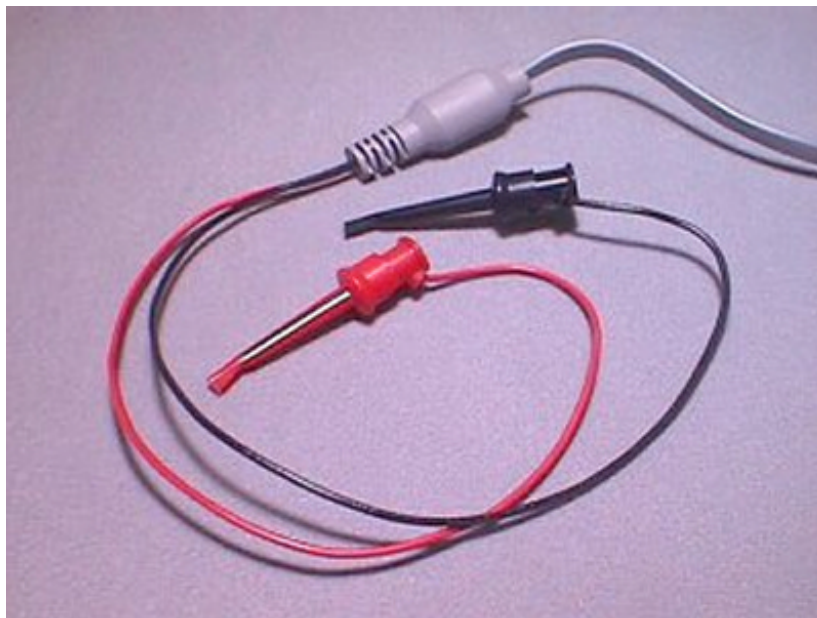


# VOLTAGE SENSOR

## Description D0515



**Figure 1.** The Voltage Sensor

## Description

The Voltage sensor is a generic probe that can be used to read any voltage between  $\pm 10$  Volts.

The black hook should be connected to ground and the red hook to the signal voltage.

It has a built-in facility for automatic sensor identification.

Note: It is very important that the ground connections of the analog inputs are never connected to different potentials.

The voltage sensor is delivered with a BT plug and can be connected to the following interfaces:

- UIA/UIB boards through the Measuring Console (via 0520 adapter)
- CoachLab II
- Texas Instruments CBL™ data-logger.

There is an adapter (art. 0520) to connect sensors with BT-plugs to 4-mm inputs.

The name of the voltage sensor in the sensor library of Coach 5 program is **Volt meter (CMA) -10..+10V**.


## Suggestion for experiments

The voltage sensor is a general-purpose laboratory sensor.

Examples of applications are:

- Discharging of a capacitor.
- Battery life.
- Induction.

## Technical data

Voltage range	-10 to +10 V
Chemical tolerance	None (air only)
Connection	 BT (British Telecom) plug
Connection pins	<b>1</b> Signal; <b>2</b> Ground <b>4</b> AUTOIdent resistor;