

RESISTIVE SOIL MOISTURE PROBE

Check for samples: [PB-H254-01](#)



FEATURES

- Soil moisture transducer
- Resistivity depends on soil moisture
- Standard 2.54mm pitch header
- Four layers PCB design to prevent path exposure
- Intended for evaluation purposes
- Includes 60cm wire

DESCRIPTION

PB-H254-01 is an evaluation purpose soil moisture transducer. The device is designed with fork structure for easy placement in different type of soils.

The exposed conductive plates allow PB-H254-01 to measure the resistivity of the soil covering the device. Given that the resistive value of the probe depends both, on the type of soil and its current moisture, it is necessary to perform a software calibration for accurate results.

Nevertheless, without any calibration the probe provides the means of getting a qualitative moisture level of the soil.

CHARACTERISTICS

SYMBOL	PARAMETER	MIN	TYP	MAX	UNIT
R_{wet}	Resistance wet		100		Ω
R_{dry}	Resistance dry		10M		Ω

REFERENCES

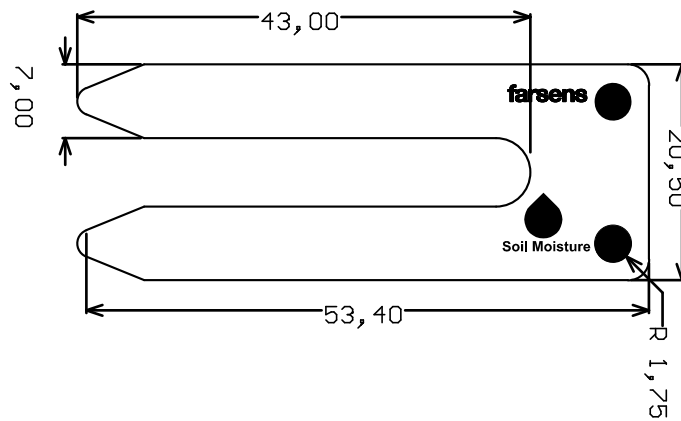
The next table shows the available references of the PB-H254-01.

Ref.	Name	Description
40902	PB-H254-01	PB-H254-01, soil moisture propbe, PCB format

MECHANICAL DIMENSIONS

All dimensions are in millimeters.

2D VIEW



Maximum height: 10mm

3D VIEW

