

## Soil Moisture Sensor - Watermark

### MD510SM



The Watermark Sensor consists of two concentric electrodes buried in a special reference matrix material that is held in place by a synthetic membrane. The matrix material has been selected to reflect the maximum change of electrical resistance over the growth range of production crops as well as to neutralize the effect of soil salinity. In operation, soil moisture is constantly being absorbed or released and the electrical resistance between the electrodes changes. This resistance is read by the weather station. The sensor is manufactured from non-corrosive parts and lasts up to three years.

<b>Size</b>	2.2 cm diameter x 5 cm length
<b>Measuring Principle</b>	Resistance with Gypsum Block (Tensiometer Type)
<b>Working Range</b>	10 to 200 kPa
<b>Precision</b>	5%
<b>Evaluation</b>	Analog
<b>Cable</b>	5 meters
<b>Part.no. MD510SM</b>	Soil moisture sensor type Watermark with 5 meter cable
<b>Interface</b>	Necessary Interface to connect this sensor with iMetos:WM-BUS or WM-BUSINT

SOIL

IM5041D  
 SAR19  
 ECH-GS1  
 ECH500  
 ECH510  
 ECH5TM  
 ECH5TE  
 ECH511  
 ECH512  
 MD510SM  
 GS3  
 TNS103..7  
 AQ600  
 100SMT  
 SEN12512  
 SEN13512  
 ECH870EXT  
 ECH871EXT  
 ECH874EXT  
 WM-BUS  
 TNS100