

Tensiometer

SOIL

TNS103..7

The instrument measures soil water tension, in centibars (cb) or kilopascals (kPa). This value represents the energy a plant's root system uses to draw water from the soil. Understanding soil moisture activity helps the user make informed irrigation scheduling decisions resulting in improved yield and quality while reducing water, fertilizer, labor and energy costs.



INSTRUMENT BODY MATERIALS	Butyrate body, ceramic tip, neoprene stopper
RESERVOIR SECTION DIMENSIONS	
<i>HEIGHT</i>	120 mm – 130 mm including cap
<i>DIAMETER</i>	51 mm – 55 mm including cap
BODY TUBE SECTION DIMENSIONS	
<i>LENGTH</i>	Ranges from 15 cm to 150 cm
<i>DIAMETER</i>	22 mm
INSTRUMENT WEIGHT	30 cm is 0.439 kg with increases of 0.114 kg per 30 cm
CERAMIC TIP	White tip – used for most soil types
Operating Suction	0-90 cb (kPa)
Operating Temperature	0°C to +50°C
Part.no. TNS103	Irrrometer Tensiometer 15 cm without Manometer
Part.no. TNS104	Irrrometer Tensiometer 30 cm without Manometer
Part.no. TNS105	Irrrometer Tensiometer 45 cm without Manometer
Part.no. TNS106	Irrrometer Tensiometer 60 cm without Manometer
Part.no. TNS107	Irrrometer Tensiometer 90 cm without Manometer
Interface	Necessary Interface to connect this sensor with iMetos: TNS100

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