Aranet Soil Moisture sensor



- Measures soil moisture
- Data transmission every 1, 2, 5, 10 minutes
- Up to 3 km / 1.9 mi range
- Up to 10 years of battery life

Cost-effective wireless soil moisture sensor designed for wide range applications for efficient monitoring of irrigation delivery to plants.



Operating environment Indoor and outdoor use Transmitter power 14 dBm Frequency Depends on base station instructions Measurement range 0-100 % Measurement resolution Measurement accuracy ±15 % Data transmission 1, 2, 5, 10 minutes Data protection Data encryption Power options 1 AA Alkaline battery (Zn/MnO₂) 1 AA Lithium battery (Li/FeS₂) Battery life @20 °C / 68 °F Up to 7 years with Alkaline battery Up to 10 years with Lithium battery Operating temperature 2 - 45 °C Operating humidity 0 % to 100 % Dimensions Ø35 mm x 120 mm / Ø1.4" x 4.7" (sensor body) Weight 115 g (1.5 m cable length) Construction ASA Plastic (sensor body) Protection class IP67 Marking CE Compatible base stations Aranet PRO (from sw v1.4) Included 1 AA Alkaline battery, string Cable length 1.5 m 5 m 10 m 20 m	Aranet Soil Moisture	senso	or datasheet			
Operating environment Indoor and outdoor use Transmitter power 14 dBm Frequency Depends on base station instructions Measurement range 0-100 % Measurement resolution 0.1% Measurement accuracy ±15 % Data transmission 1, 2, 5, 10 minutes Data protection Data encryption Power options 1 AA Alkaline battery (Zn/MnO ₂) 1 AA Lithium battery (Li/FeS ₂) Battery life @20 °C / 68 °F Up to 7 years with Alkaline battery Up to 10 years with Lithium battery Operating temperature 2 - 45 °C Operating humidity 0 % to 100 % Dimensions Ø35 mm x 120 mm / Ø1.4" x 4.7" (sensor body) Weight 115 g (1.5 m cable length) Construction ASA Plastic (sensor body) Protection class IP67 Marking CE Compatible base stations Aranet PRO (from sw v1.4) Included 1 AA Alkaline battery, string Cable length 1.5 m 5 m 10 m 20 m Part number EU: TDSPSMO2.015 TDSPSMO2.050 TDSPSMO2.100 TDSPSMO2.200	Measurements		Soil volumetric water content			
Transmitter power 14 dBm Frequency Depends on base station instructions Measurement range 0-100 % Measurement resolution 0.1% Measurement accuracy ±15 % Data transmission 1, 2, 5, 10 minutes Data protection Data encryption Power options 1 AA Alkaline battery (Zn/MnO2) 1 AA Lithium battery (Li/FeS2) Battery life @20 °C / 68 °F Up to 7 years with Alkaline battery Up to 10 years with Lithium battery Up to 10 years with Lithium battery Operating temperature 2 - 45 °C Operating humidity 0 % to 100 % Dimensions Ø35 mm x 120 mm / Ø1.4" x 4.7" (sensor body) Weight 115 g (1.5 m cable length) Construction ASA Plastic (sensor body) Protection class IP67 Marking CE Compatible base stations Aranet PRO (from sw v1.4) Included 1 AA Alkaline battery, string Cable length 1.5 m 5 m 10 m 20 m Part number EU: TDSPSM02.015 TDSPSM02.050 TDSPSM02.100 TDSPSM02.200	Line of sight range		3 km / 1.9 mi			
Depends on base station instructions Measurement range 0-100 % Measurement resolution Measurement accuracy ±15 % Data transmission 1, 2, 5, 10 minutes Data protection Data encryption Power options 1 AA Alkaline battery (Zn/Mn02) 1 AA Lithium battery (Li/FeS2) Battery life @20 °C / 68 °F Up to 7 years with Alkaline battery Up to 10 years with Lithium battery Up to 10 years with Lithium battery Operating temperature 2 - 45 °C Operating humidity 0 % to 100 % Dimensions Ø35 mm x 120 mm / Ø1.4" x 4.7" (sensor body) Weight 115 g (1.5 m cable length) Construction ASA Plastic (sensor body) Protection class IP67 Marking CE Compatible base stations Aranet PRO (from sw v1.4) Included 1 AA Alkaline battery, string Cable length 1.5 m 5 m 10 m 20 m Part number EU: TDSPSM02.015 TDSPSM02.050 TDSPSM02.100 TDSPSM02.100	Operating environment		Indoor and outdoor use			
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Weight 115 g (1.5 m cable length) Construction ASA Plastic (sensor body) Protection class IP67 Marking CE Compatible base stations Aranet PRO (from sw v1.4) Included 1 AA Alkaline battery, string Cable length 1.5 m 5 m 10 m 20 m Part number EU: TDSPSM02.015 TDSPSM02.050 TDSPSM02.100 TDSPSM02.200	Operating humidity		0 % to 100 %			
Construction ASA Plastic (sensor body) Protection class IP67 Marking CE Compatible base stations Aranet PRO (from sw v1.4) Included 1 AA Alkaline battery, string Cable length 1.5 m 5 m 10 m 20 m Part number EU: TDSPSM02.015 TDSPSM02.050 TDSPSM02.100 TDSPSM02.200	Dimensions		Ø35 mm x 120 mm / Ø1.4" x 4.7" (sensor body)			
Protection class IP67 Marking CE Compatible base stations Aranet PRO (from sw v1.4) Included 1 AA Alkaline battery, string Cable length 1.5 m 5 m 10 m 20 m Part number EU: TDSPSM02.015 TDSPSM02.050 TDSPSM02.100 TDSPSM02.200	Weight		115 g (1.5 m cable length)			
Marking CE Compatible base stations Aranet PRO (from sw v1.4) Included 1 AA Alkaline battery, string Cable length 1.5 m 5 m 10 m 20 m Part number EU: TDSPSM02.015 TDSPSM02.050 TDSPSM02.100 TDSPSM02.200	Construction		ASA Plastic (sensor body)			
Compatible base stations Aranet PRO (from sw v1.4) Included 1 AA Alkaline battery, string Cable length 1.5 m 5 m 10 m 20 m Part number EU: TDSPSM02.015 TDSPSM02.050 TDSPSM02.100 TDSPSM02.200	Protection class		IP67			
Included 1 AA Alkaline battery, string Cable length 1.5 m 5 m 10 m 20 m Part number EU: TDSPSM02.015 TDSPSM02.050 TDSPSM02.100 TDSPSM02.200	Marking		CE			
Cable length 1.5 m 5 m 10 m 20 m Part number EU: TDSPSM02.015 TDSPSM02.050 TDSPSM02.100 TDSPSM02.200	Compatible base stations		Aranet PRO (from sw v1.4)			
Part number EU: TDSPSM02.015 TDSPSM02.050 TDSPSM02.100 TDSPSM02.200	Included		1 AA Alkaline battery, string			
	Cable length		1.5 m	5 m	10 m	20 m
	Part number					