

DATASHEET · AGRICULTURE & FOOD SCIENCE

TZS Multi-Parameter Soil Moisture Temperature Meter.

SKU AGR-0004 Spec v1 Rev. 2026-07-12

DATASHEET · P  
AGR-  
Rev 2026-07-12  
PREVIEW — FIELDS F



PRODUCT FAMILY  
ANIMAL MODEL  
APPLICATION  
COUNTRY OF ORIGIN  
MFG. STANDARD  
LOT TRACEABLE No  
VERIFIED Spec v1 · 2026-07-12

PRODUCT SPECIFICATIONS FROM PUBLISHED PROD

|                              |                                                                                                   |                        |                                                                  |
|------------------------------|---------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------|
| MODEL VARIANTS               | TZS-1K, TZS-2X, TZS-3X, TZS-5X                                                                    | TZS-1K PARAMETERS      | Soil moisture content                                            |
| TZS-2X PARAMETERS            | Soil moisture content, soil temperature                                                           | TZS-3X PARAMETERS      | Soil moisture content, soil temperature, atmospheric temperature |
| TZS-5X PARAMETERS            | Soil moisture content, soil temperature, atmospheric temperature, atmospheric humidity, dew point | DISPLAY                | LCD                                                              |
| DATA STORAGE CAPACITY        | Up to 30,000 data groups on handset                                                               | INCLUDED STORAGE MEDIA | 4G Micro SD card (standard)                                      |
| POWER-OFF MEMORY             | Data saved to SD card is retained on power loss                                                   | DATA COLLECTION MODES  | Timed (automatic) or manual                                      |
| SIMULTANEOUS SENSOR CHANNELS | 32 channels                                                                                       | COMMUNICATION PROTOCOL | RS485 wired                                                      |
| MAXIMUM SENSOR CABLE LENGTH  | Approximately 100 meters                                                                          | BATTERY FEATURES       | Charging protection, low-voltage                                 |
| PROTECTION FEATURES          | Short-circuit protection, external interference protection                                        | DATA OUTPUT            | Readable on handset LCD; imposable to PC via Micro SD card       |
| AVAILABILITY                 | In stock                                                                                          |                        |                                                                  |

BILL OF MATERIALS · 1 LINE ITEMS BASE CONF

| QTY | ITEM                                                | SKU      |
|-----|-----------------------------------------------------|----------|
| 1   | TZS Multi-Parameter Soil Moisture Temperature Meter | AGR-0004 |

Scope.

INFO@CONDUCTSCIENCE.COM    CONDUCTSCIENCE.COM

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Rev 2026

PREVIEW — FIELDS F

BILL OF MATERIALS · EXTENDED ATTRIBUTES

| ITEM                                                |
|-----------------------------------------------------|
| TZS Multi-Parameter Soil Moisture Temperature Meter |

MATERIALS REFERENCE

0 MATERIAL

| CODE | DESCRIPTION | PROPERTIES | USED IN |
|------|-------------|------------|---------|
|------|-------------|------------|---------|

Cross-reference.



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PREVIEW — FIELDS F

OPERATING & STERILIZATION ENVELOPES

CONDITIONS, CYCLES, COM

|                                                                                                                               |                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <div>OPERATING</div> <div>TEMPERATURE</div> <div>HUMIDITY</div> <div>PRESSURE</div>                                           | <div>STORAGE</div> <div>TEMPERATURE</div> <div>HUMIDITY</div> <div>ORIENTATION</div> |
| <div>STERILIZATION &amp; CLEANING</div> <div>AUTOCLAVE</div> <div>GAMMA</div> <div>AVOID</div> <div>ETO</div> <div>WIPE</div> |                                                                                      |

ANIMAL COMPATIBILITY

BY SPECIES

NOTES

USE & S

| SPECIES | BODY WEIGHT | CHAMBER FIT |
|---------|-------------|-------------|
|---------|-------------|-------------|

Specifications verified against current published product data. Verified 2026-07-12 · Since 2026-07-12.

**Cite:** ConductScience AGR-0004, Spec v1, 2026-07-12. [conductscience.com/lab/tzs-multi-parameter-soil-moisture-temperature-met](https://conductscience.com/lab/tzs-multi-parameter-soil-moisture-temperature-met)

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