

DATASHEET · AGRICULTURE & FOOD SCIENCE

Plant Root Phenotype Analysis System.

SKU AGR-0025 Spec v1 Rev. 2026-07-12

DATASHEET · P

AGR-

Rev 2026

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

ANALYSIS MODULES	Overall root analysis, root nodule analysis, connection segment analysis, topology analysis, root segmentation and grading, target area analysis, personalized display	BATCH PROCESSING CAPACITY	Single batch analysis of over 10 images
NODULE PARAMETERS MEASURED	Nodule number, nodule diameter, nodule R/G/B color values, color grading	OUTLIER REMOVAL	Automatic removal by configura pixel-value threshold; target roc system contour highlighting
DATA SAVE & RESUME	Automatic saving of analysis progress; pause and resume at any time	DATA EXPORT	One-click export of analysis ima distribution maps, and result dat Excel; upload to designated fold cloud platform
CLOUD & APP INTEGRATION	Real-time sync to cloud platform; multi-platform backup with permanent storage; companion research app for remote viewing and export	SOFTWARE SECURITY	Dynamic QR code and dongle encryption registered to user ins
AVAILABILITY	In stock		

BILL OF MATERIALS · 1 LINE ITEMS

BASE CONFI

QTY	ITEM	SKU
1	Plant Root Phenotype Analysis System	AGR-0025

Scope.

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PREVIEW — FIELDS F

BILL OF MATERIALS · EXTENDED ATTRIBUTES

ITEM
Plant Root Phenotype Analysis System

MATERIALS REFERENCE

0 MATERIAL

CODE	DESCRIPTION	PROPERTIES	USED IN
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Cross-reference.

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PREVIEW — FIELDS F

OPERATING & STERILIZATION ENVELOPES

CONDITIONS, CYCLES, COM

OPERATING

TEMPERATURE

HUMIDITY

PRESSURE

STORAGE

TEMPERATURE

HUMIDITY

ORIENTATION

STERILIZATION & CLEANING

AUTOCLAVE

GAMMA

AVOID

ETO

WIPE

ANIMAL COMPATIBILITY

BY SPECIES

NOTES

USE & S

SPECIES	BODY WEIGHT	CHAMBER FIT
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Specifications verified against current published product data. Verified 2026-07-12 · Since 2026-07-12.

Cite: ConductScience AGR-0025, Spec v1, 2026-07-12. conductscience.com/lab/plant-root-phenotype-analysis-system

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