ORTEC

ANGLE

ORTEC measurement and analysis software

Software for efficiency calibration and correction in gamma spectrometry.



Primary function
Gamma-spectroscopy efficiency calculation and calibration transfer [1]

Measurement systems
HPGe, Ge(Li) and NaI; coaxial, pl anar and well configurations as applicable [1]

Calculation method
Efficiency Transfer with Monte Carlo modelling in ANGLE5 [1]

Specifications

DETECTOR

Sample geometries	Marinelli and cylindrical containers; point, disc and filter geometries	[1]

PERFORMANCE

Calculation precision	Selectable Monte Carlo precision 0.1–5.0%	[1]

SOFTWARE & DATA

Primary function	Gamma-spectroscopy efficiency calculation and calibration transfer	[1]
Analysis corrections	Cascade-photon coincidence-summing corrections	[1]

ENVIRONMENT & RATINGS

Reference calibration	Measured reference efficiency from standard source; import of GammaVision table/Genie CAM	[1]

ORDERING & ACCESSORIES

Absorption model	Up to 5 additional absorbing layers between container and detector	[1]

GENERAL

Measurement systems	HPGe, Ge(Li) and NaI; coaxial, planar and well configurations as applicable	[1]
Calculation method	Efficiency Transfer with Monte Carlo modelling in ANGLE5	[1]
Export formats	Calculation results YAML/JSON; model graphics PNG/SVG	[1]
Automation	Command-line scripts and XML data	[1]

Sources

[1] ANGLE Advanced Gamma Spectroscopy Efficiency Calibration
RTEC (AMETEK) · product-page · Introduction; Detector Model – Detector Types; New Features in ANGLE 5; Calculated Efficiency · checked 2026-10-16
https://web.archive.org/web/20261016000000/https://www.ortec-online.com/products/software/angle

Every value is taken from the manufacturer's own document; the number after the value refers to the source list. Always check against the latest datasheet before ordering.

The data comes from the manufacturer's published documents. Manufacturers may change specifications; the current configuration and performance are confirmed in the quotation.