H3D

GammaTrend

Real-time isotope trending

A system for tracking radionuclide levels and spectral trends in process systems over time.



Compatible detectors
H3D S Series, P100S; M Series f or specialized applications [1]

Communication
Ethernet or XBee radio [1]

Web browsers
Firefox, Chrome, Edge [1]

Specifications

DETECTOR

Compatible detectors	H3D S Series, P100S; M Series for specialized applications	[1]

SOFTWARE & DATA

Nuclide library	3573 ENDF isotopes; user-defined with Visualizer	[1]
Software updates	Provided with associated detector warranty	[1]

CONNECTIVITY & INTERFACE

Communication	Ethernet or XBee radio	[1]

ENVIRONMENT & RATINGS

Server operating system	RHEL 8/9; Ubuntu 22.04/24.04 LTS	[1]

ORDERING & ACCESSORIES

Server options	Software on customer server; H3D server connected to or separate from network	[1]

GENERAL

Web browsers	Firefox, Chrome, Edge	[1]
Languages	English, French, Chinese; others on request	[1]
Update interval	1 minute; data can be aggregated over longer durations	[1]
Data export	PNG/JPEG, CSV	[1]
Unit systems	SI or US customary	[1]
Quantification	Empirical calibration with known activity/concentration; calculation using defined geometries/materials	[1]

Sources

[1] GammaTrend Real-Time Source-Term Trending – GammaTrend Specifications (RMS-7)
H3D · datasheet · p. 2 'GammaTrend Specifications', Compatible Detectors; p. 2 'Connection Methods'; p. 2 'Compatible Web Browsers' · checked 2026-10-16
https://h3dgamma.com/RMSSpecs.pdf

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.