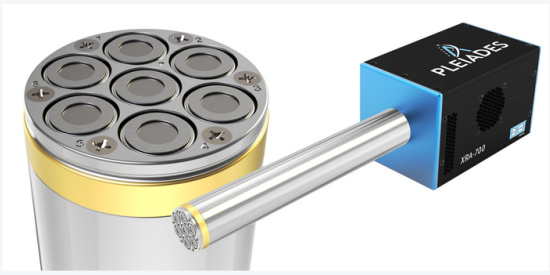
AMPTEK

PLEIADES XRA-700

Multichannel x-ray spectroscopy

A multichannel X-ray spectroscopy system with seven detectors and a controller for applications requiring parallel acquisition.



Standard detectors	Weight
7 × FAST SDD, 70 mm² [2]	**.1 kg [1]**

Specifications

DETECTOR

Detector count	7	[1]
Standard detectors	7 × FAST SDD, 70 mm²	[2]

ELECTRONICS & SIGNAL

Signal processing	External DPP/data acquisition required	[3]
Detector outputs	7 BNC	[1]

CONNECTIVITY & INTERFACE

Communication	Ethernet; USB 2.0 Type B; RS-232	[1]

POWER & BATTERY

Power connector	USB Type C	[1]

MECHANICAL

System dimensions	Length 544 mm; height including base foot 157 mm	[1]
Weight	5.1 kg	[1]

ENVIRONMENT & RATINGS

perating temperature (XRA-700 system)	–35 to +80 °C; high temperature reduces cooling capability	[1]

ORDERING & ACCESSORIES

Detector options	C2 window, 1 mm FAST SDD, CdTe; mixed arrays possible	[2]

GENERAL

System components	Detectors, preamplifiers, controller, supplies and cooling	[3]

Sources

[1] XRA-700 User Manual – A0
Amptek · manual · p. 6; p. 17; p. 9 and p. 17 · checked 2026-10-16
https://www.amptek.com/-/media/ametekamptek/documents/resources/products/user-manuals/pleiades-user-manual-a...

[2] PLEIADES XRA-700 Detector Array – brochure
Amptek · brochure · p. 3; p. 4 · checked 2026-10-16
https://www.amptek.com/-/media/ametekamptek/documents/resources/products/amptek_pleiades_brochure_us_150dpi....

[3] PLEIADES XRA-700 Detector Array
Amptek · product-page · product page · checked 2026-10-16
https://www.amptek.com/products/pleiades-xra-700-detector-array

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.