AMETEK SI · SOLARTRON ANALYTICAL

129610A kryostatsystem

Temperature-controlled sample system

129610A by Solartron Analytical. Temperature-controlled sample system.



Approximate cryostat weight

11.3 kg [1]

Specifications

DETECTOR

Liquid volume	0.65 mL	[1]

COOLING

Temperature range with LN_2	78–600 K	[1]
Cryostat dimensions	787 mm (31 in) high; Ø146 mm (5.75 in)	[2]
Approximate cryostat weight	11.3 kg	[1]

CONNECTIVITY & INTERFACE

PC interface	NI IEEE-488 required, not included	[1]

ENVIRONMENT & RATINGS

Temperature range with LHe	5–600 K	[1]
Temperature stability	±0.05 K	[1]
Liquid sample temperature range	5–500 K	[1]
Temperature controller	Lake Shore 332S-T2, included	[1]

ORDERING & ACCESSORIES

Dewar	Required (LN_2 or LHe), ordered separately (LN_2 dewar options LN-10/LN-20/LN-50); compatibility with LN_2 dewars not supplied with the system cannot be guaranteed	[1]

GENERAL

Vacuum pump	TP-75, 42 L/s, or equivalent required	[1]
Maximum solid sample	Ø30 × 8 mm	[1]

Sources

[1] 129610A Cryostat System
AMETEK Scientific Instruments · product-page · Differentiated Specifications – Temperature range; Differentiated Specifications; Differentiated Specifications – Optional Dewars · checked 2026-10-16
https://www.ameteksi.com/products/materials-analysis-accessories/129610a-cryostat-system

[2] 129610A LHe/LN2 Cryostat System (data sheet, A4)
AMETEK Scientific Instruments · datasheet · p. 2, 129610A Cryostat Specification · checked 2026-10-16
https://www.ameteksi.com/-/media/ameteksi/download_links/documentations/129610a/129610-cryostat_a4.pdf?revis...

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.