AMETEK SI · SOLARTRON ANALYTICAL

1296A dielektriskt gränssnitt

Measurement interface

1296A by Solartron Analytical. Measurement interface. Required equipment and compatibility: 1260A or compatible 12xx FRA; not a standalone analyzer.



Frequency with 1260A/1255A
10 µHz–10 MHz [1]

Current measurement range
1 fA–100 mA [1]

Specifications

Host system	1260A or compatible 12xx FRA; not a standalone analyzer	[1]
Frequency with 1260A/1255A	10 µHz–10 MHz	[1]
Impedance range	100 Ω to >100 TΩ	[1]
Current measurement range	1 fA–100 mA	[1]
Tan δ, reference mode	<10⁻⁴ to 10³	[1]
Amplitude with 1260A/1255A	Up to 7 V RMS; above 3 V RMS an internal amplifier is used	[1]
Signal plus DC bias	For signals >3 V RMS (internal amplifier used): signal amplitude + DC bias must not exceed 10 V peak	[1]
High voltage using external equipment	AC signal and DC bias up to 1000 V with external PSU or amplifier	[2]

Sources

[1] **1296A Dielectric Interface System**
AMETEK Scientific Instruments · product-page · Page intro / Highlights; Differentiated Specifications, 1296A+1260A/1255A column; Differentiated Specifications · checked 2026-10-16
https://www.ameteksi.com/products/impedance-analyzer/1296a-dielectric-interface

[2] **1296A Dielectric Interface (data sheet, A4)**
AMETEK Scientific Instruments · datasheet · p. 1, bullet list (same text in US Letter data sheet S16, p. 1) · checked 2026-10-16
https://www.ameteksi.com/-/media/ameteksi/download_links/documentations/1296/1296a-brochure-a4-reva.pdf?la=e...

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.