SCIONIX

VD14-E2

Plug-on voltage divider with preamplifier for 14-pin photomultiplier tubes

Scionix’s standard voltage divider with preamplifier. It plugs directly onto the detector’s 14-pin socket, has a 50 Ω output and a rise time below 50 ns, and can drive 100 m of cable or more. It works with a wide variety of supply voltages, and ultra-low-power versions exist.



Output impedance	Rise time	Cable
50 Ω [1]	**< 50 ns** [1]	**Drives cable lengths of 100 m or more** [1]

Specifications

Type	Plug-on voltage divider with preamplifier/buffer amplifier	[1]
PMT base	14-pin JEDEC B14-38 for 51, 76 and 127 mm tubes (VD12-E2 for 12-pin B12-43 and 38 mm tubes)	[1]
Output impedance	50 Ω	[1]
Rise time	< 50 ns	[1]
Cable	Drives cable lengths of 100 m or more	[1]
Power supply	Operates with a wide variety of voltages; ultra-low-power versions exist	[1]
Connectors	Scionix standard: SHV for high voltage, BNC for signal, dual LEMO 0S or 9-pin sub-D for preamplifier power	[1]
Important	A detector designed for positive high voltage must never be connected to a voltage divider wired for negative – the housing would then be live	[1]

Sources

[1] **Detector electronics**
Scionix · product-page · Voltage Dividers and Preamplifiers; Plug-on or integrated? / Voltage Dividers and Preamplifiers; Connectors · checked 2026-11-26
https://scionix.nl/voltage-dividers/

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.