BRIGHTSPEC

bPAD

Digital single-channel analyser (SCA) in the tube socket, controlled via USB

Compact, intelligent single-channel analyser that sits in the photomultiplier tube socket and is set up fully digitally via USB, without an oscilloscope or screwdriver. High voltage, gain and discriminator levels are set in a PC application, which also has a pseudo-PHA mode and shows the count rate in the chosen window.



Weight

Approx. 90 g [2]

Specifications

ELECTRONICS & SIGNAL

Discriminator	Upper and lower level discriminator, 2,048 steps	[1]
Gain	Coarse ×1, ×2, ×4, ×8 (optionally also ×16, ×32, ×64, ×128); fine ×1–×2 in 4,096 steps	[2]
Signal outputs	5 V TTL, programmable duration 0.25–20 µs in 14 steps (SMA)	[2]
Detector high voltage	Built-in, 0–1,500 V in 4,096 steps	[2]

CONNECTIVITY & INTERFACE

Communication	USB 2.0 (mini-B), which can also power the device	[2]

POWER & BATTERY

Supply voltage	9–36 V (pluggable terminal block)	[2]
Power consumption	Max. 1 W	[2]

MECHANICAL

Weight	Approx. 90 g	[2]

ENVIRONMENT & RATINGS

perating modes	Differential and integral	[1]

Sources

[1] **bPAD**
BrightSpec · product-page · Product page – Main features · checked 2026-10-16
https://www.brightspec.be/brightspec/?q=node/13

[2] **bPAD technical specifications (V1.3)**
BrightSpec · datasheet · p. 2, Technical Specifications · checked 2026-10-16
https://www.brightspec.be/brightspec/downloads/bPAD_Spec_V1.3.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.