



kronback tracers



B+ INPUT EXPANSION FOR B16



Input Expansion For B16



- 16 inputs, 1 output
- Integrates into B16 user interface
- Frequency range 5-862 MHz
- Fast and reliable control over B+ bus
- Powered from B16
- Consumes less than 1 Watt

Flexible RF switch

The Kronback tracers B+ is a compact, flexible RF switch for switching up to sixteen inputs into one output in the range of 5-862 MHz.

Input and output connectors are 75 ohm F-type. An LED is associated with each connector, indicating which input is active. The B+ handles signals up to 130 dBμV with excellent RF performance.

Flexible Expansion

The B+ serves as input expansion unit for the B16 return-path monitoring system. Integrating one extra B+ adds sixteen inputs to the B16 system and its output occupies one input in the B16 for cascading, so the total number of inputs added is fifteen. Up to a total of sixteen B+ units can be added to the B16 system, providing a total of 256 inputs.

B+ BUS

The B+ is controlled from the proprietary B+ control bus, providing fast and reliable control of up to sixteen B+ units in the B16 return-path monitoring system. The bus is cascable and the cascade order determines which input range the specific B+ represents in the B16 system, to ensure flexible, uncomplicated addressing of the B+ units.

Powered from B16

The B+ is powered via the B+ BUS RJ45 connector, eliminating the need for external power adaptors and wires. Consuming less than 1 Watt, the dimensions of a standard twisted-pair cable are sufficient to power up to sixteen B+ units in cascade. The internal PSU of the B+ has widely ranged specifications, making the cable length of the B+ BUS cable uncritical.

specifications

RF specifications

Input 1-16

Connector: F-type 75 ohm, AC coupled

5-65 MHz :

insertion loss: 2.4dB ± 0.2 dB
Return loss: >20dB
Isolation: >60 dB

5-862 MHz :

insertion loss: 5MHz: 2.2 dB
862MHz: 3.6 dB

Frequency ripple: < 0.5 dB

Return loss: >20dB@40Mhz,
degrading -1.5 dB/octave

Isolation: >60 dB

Output:

Connector: F-type 75 ohm, AC coupled

B+bus

Connector RJ45
Power out +12V acc. to POE: IEEE803.2af
(pin 4,5 & 8,7)
Data protocol: kronback tracers proprietary

Certification:

CE
FCC

Physical Specifications:

Height 43.8mm (1 unit)
Width 482mm (standard 19" dimensions)
Depth 55mm (2.2")
Weight 850 g (1.9 lb)

Electrical

Powered from the B+ Bus
Power consumption < 1 Watt

Environmental:

Operating Temperature: 5°C ~ 45°C
Storage Temperature: -20°C ~ 55°C
Operating Humidity: 10% ~ 90%, non-condensing
Fanless device

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Kronback Tracers is an innovative, rapidly-growing company. We operate globally and our dedicated and experienced staff are ready to serve our customers worldwide. Our philosophy is seeing is believing, so we encourage you to contact our sales organisation to test the B16 products on your premises. Call us today on +45 46 907 909 or email sales@kronback.com.

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