

kronback tracers

P4+

HANDHELD SIGNAL GENERATOR



HIGH PRECISION

- * Four programmable agile pilot tones
- * Straightforward, heavy-duty hardware
- * Recall of predefined presets
- * Password protection
- * Frequency hopping
- * Frequency range: 2-67 MHz
- * Dynamic range: >50 dBc
- * Level: 110dBuV@1CW
- * Compact unit: 23 x 83 x 114 mm



www.kronback.com

HANDHELD SIGNAL GENERATOR

FOUR PILOT TONES

Kronback Tracers P4 is a powerful, handheld signal generator for measuring and faultfinding in return-path CATV networks. It provides up to four pilot tones in the 2 - 67 MHz frequency range, and it is easy to set the four pilot tones in steps of 10 kHz within the frequency range.

HEAVY-DUTY HOUSING

The compact, heavy-duty housing of P4 has a high-contrast monochrome display for optimal readability, and four robust menu buttons for fast and easy navigation. The housing is protected to IP65 standard and operates in a wide temperature range, making it usable in all kinds of weather and climates.

BATTERY POWERED

One of the main advantages of P4 is its battery capacity. It has seven hours guaranteed, continuous operation after a full charge. The DC connector accepts any voltage from 6 - 30V, enabling the P4 to be charged directly from standard car power outlet or from the DC power supply delivered with the P4. If the DC power supply is not connected, the P4 will charge from the USB connector.

SUPERPOSITION OF PILOTS

The P4 has full control over the phase and frequency relation between the pilot tones, and the four tones can be added to generate one pilot tone for higher levels.

PASSWORD PROTECTION AND PRESETS

The P4 always starts in the mode in which it was left before power-down. If the password function is enabled, this start-up mode cannot be changed until a certain combination of the front panel buttons is pressed. During normal operation, multiple presets can be saved and recalled.

FREQUENCY HOPPING

Up to four pilot tones can be chopped. This ensures that upstream laser equipment is not loaded with the weight of four simultaneous pilot tones. The frequency and level of the four chopped pilot tones are just as easy to set as in constant mode.

SPECIFICATIONS

RF SPECIFICATIONS

Number of pilot tones
normal operation: 4

FREQUENCY

Frequency range 2-67 MHz
Frequency steps 10kHz
Frequency error <1kHz
Residual phase noise >110dBc/Hz@10kHz

LEVEL

Dynamic range
4 pilots 10 dBuV - 99 dBuV
2 pilots 10 dBuV - 105 dBuV
1 pilot 10 dBuV - 110 dBuV
Level steps 1 dB
Level error <0,5 dB
Return loss: >20dB

CONNECTORS

RF out: F-type 75 ohm, AC coupled
Power supply connector; DC Type 0.7/2.35 mm
USB connector: USB type mini-B

INDICATORS

DC Power status
Charging status
CPU status

LCD DISPLAY

Backlight: White
LCD type 128x64 dot graphic FSTN/W-B
Positive transmissive
Viewing angle Horizontal >70 deg
Vertical >65 deg

PHYSICAL SPECIFICATIONS

Height: 114 mm
Width: 83 mm
Depth: 23 mm
Weight: 250 g

ELECTRICAL

Supply Voltage: 6-30VDC
Max. power consumption: 1 watt
USB power: 5V
USB current draw: 100mA, negotiable to 500mA
Fuse: Internal autofocus

ENVIRONMENTAL

Operating temperature: 5°C ~ 45°C
Storage temperature: -20°C ~ 55°C
Operating humidity: 10% ~ 90%, non-condensing

BATTERY

Type: Li-ion, rechargeable
Nominal Voltage: 3.7 V

Minimum Capacity 1.8 AH @ C/5 Rate @ 23 °C
Cycle Life > 500 cycles
Memory: No memory effect

Operating temp: -20 °C to 60 °C

Safety: Meets UL1642 standard

Transportation: Exceeded from regulations

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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 our products on your premises.

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