KZ13 - Testing device

Type designation: **KZ13**
NSN: **6625160041633**
PN (RN): **2001.100.01**
KČN: **0064241004317**

The KZ13 testing device is used for quick checking of basic functional parameters of RF13 transceivers (current consumption, transmitter power, receiver output voltage, receiver sensitivity), their acoustic sets (cable compactness, functionality of earphones, microphone, buttons and display), battery packs (load or no-load voltage, thermistor resistance) and for checking of RF amplifier power in the RF1325 and RF1350 sets with attenuator. The device can also be used as voltmeter (15 V and 30 V) or simple ohmmeter — short-circuit meter.

Technical parameters

Nominal power supply voltage	12 V
Power supply voltage range	10 V to 15 V
Current consumption	max. 60 mA
Input/output impedance at RF tests	50 Ω
Test signal frequencies for receiver sensitivity testing	(35, 45, 55, 65, 75, 85) MHz
Test signal output level for receiver sensitivity testing at 50 Ω load	(0.7 ± 0.2) µV
Transceiver current consumption testing range	3 A
RF output testing range in the 30 MHz to 88 MHz frequency range	
- nominal range of use	8 W
- broadening of range with UC13 attenuator	80 W
AF voltage testing range	3 V
Noise suppresion testing range at receiver output at the reception of RF testing signal and at the input AF noise level without this signal in (1 to 2) V range	30 dB
Battery pack voltage testing range	15 V

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Battery pack load current	4 A
Range of correct evaluation of battery pack thermistor resistance	(1.3 to 91) kΩ
Measuring of external DC voltage in two ranges	15 V and 30 V
Internal resistance of external voltmeter	30 kΩ in 30 V range, 15 kΩ in 15 V range
Indication range at resistance measuring	0 Ω to ∞
Indication of acoustic set cable compactness	
- test result satisfactory	green light
- test results not satisfactory	red light
Output level and signal frequency of acoustic set earphone excitation	
- level	min. 1 V_{ef} at 30 Ω load
- frequency	(1000 ± 200) Hz
Level of amplified microphone signal at 100 mV level and 1,000 Hz frequency	(1.3 ± 0.3) V
Operating temperature range	-30 °C to +60 °C
Dimensions	W 200 mm x H 96 mm x D 93 mm
Weight	1.5 kg

Documentation

KZ13 brief operating instructions	2001.011.02
KZ13 operating instructions	2001.010.02

Set

Type designation	PN (RN)	Name
KZ13	2001.000.01	Testing device set

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Optional accesories

Type designation	PN (RN)	Name
UC13	2029.100.01	Attenuator 10 dB

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