

ZTL350

ACTIVE LOUDSPEAKER CIRCUIT TESTER



DS-076 Issue 03

Thank you for your interest in Ziztel - we are a UK based manufacturer of PAGA and Intercom products.

The Ziztel ZTL350 PAGA rack in a case provides a major advance in the commissioning of public address and paging systems by allowing operational checking & testing of loudspeaker networks during the early stages of installation.

The unit is capable of handling network loads of up to 350 Watts and is immune to severe overload / short circuit lines ensuring long trouble free life.

The ZTL350 is supplied with a robust hand microphone to facilitate live paging and a menu of emergency tones allows realistic check of broadcast alarm audibility.



ZIZTEL ZTL350

*Allows proper operational check of loudspeaker networks prior to connection of central PA Rack –
Reduced commissioning*

350 Watts capability – Drives a range of loudspeaker loops

Electronically protected against severe loads / short circuit lines – Highly reliable low through life cost of ownership

The Ziztel ZTL-350 is compact light weight portable PAGA test set that enables the site engineer to broadcast both test tones and live speech over loudspeaker loops. The unit provides a major advantage to the site engineer by allowing the test of fully loaded loudspeaker circuits without requiring support from the permanent PAGA central amplifier panel. This enables the speaker networks to be checked and pre commissioned in advance of PAGA central cabinet availability. Trouble shooting can then be initiated on any suspect installation in advance of central equipment commissioning.

After many years experience it is proven beyond all doubt that major costs can escalate once a specialist vendor is mobilized to site to perform PAGA commissioning activities, this is primarily due to the detection of field cable faults once the central host PAGA rack is activated. Very often site visits extend to several weeks with severe cost implications, using the Ziztel ZTL-350 the installer can be confident that the field infrastructure is fully operational and free of defects. This enables the installer to limit the specialist vendor time on site to addressing the issues surrounding the PAGA central equipment and access units only. This further enables the installer to effectively measure and monitor time spent on site and to ensure that there are no budget over runs.

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Use of ZTL-350 also enables the installer to verify acoustic performance well in advance of final project hand over, any remedial work / additional loudspeakers / adjustment of power setting can then take place at an early stage obviating last minute certification crisis and costly re work.

The cost of the ZTL-350 is recouped over and over again and pays for itself on the first project, the only question is *'why wasn't a test set like the ZTL-350 procured earlier'*.

ZTL-350 comprises of a compact portable flight case which houses a ZEST high efficiency PAGA amplifier module type 350A, AC to DC convertor which operates from universal 90 to 254 VAC 50/60 Hz supply, microphone and alarm control panel.

Live broadcasts are available on a push to talk basis exactly replicating a conventional PAGA operator access unit. Also a menu of alarm tone signals are embedded allowing the operator to check acoustic performance and compliance with the certifying authority signal to noise ratio.

The ZTL-350 monitors the connected line for earth faults as well as allowing the user to initiate tone test, enabling a simple walk down check of all loudspeakers.

ZTL-350-B is available with auxiliary rechargeable sealed lead acid battery pile enabling operation in the absence of primary AC mains supply input.

The ZTL-350 is completely protected against over load, short circuit, open circuit lines and earth faults.

ZTL-350 is housed in a robust flight case ensuring long trouble free service in the arduous conditions of a construction site.



Compact and Light Weight the ZTL350 is transportable easily on a world-wide basis



ZTL350 set comprises of two portable carry cases, test set and cable set
The second case can be supplied with SPL meter and impedance meter to provide the engineer with a complete suite of PAGA system test equipment

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| Technical Specification | |
|-----------------------------|---------------------------------|
| Supply Input | 90 – 254 Volts AC |
| Consumption | 450VA |
| Connection AC mains | IEC female (Kettle lead) |
| Connection Loudspeaker Line | Speakon and Safe block assembly |
| Output Power Maximum | 350 Watts |
| Line Voltage | 100V (70 Volt to order) |
| Enclosure | Heavy Duty Flight Case |
| Dimensions | 135 x 275 x 355mm |
| Weight | 6.2Kg |



The above photo shows the ZTL350 and optional ZTL350B secondary carry case which incorporates a no break battery pack enabling operation in the absence of site AC mains supply. Battery autonomy is 1 hour operation at full power for tick tone testing and speech. Sites usually procure two battery packs, cycling one ‘on charge’ and ‘one in use’ to enable continuous PAGA testing.

Battery technology is based on robust VRLA maintenance free lead acid accumulators weight 11Kg, the set is supplied complete with power cords for charging and test set operation.



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