

# MTL-350

## Active loudspeaker circuit tester



Ideal for :

- Site installation and maintenance
- Oil & gas
- Petrochemical industry
- Mining
- Hazardous industrial sites

**M2S**  
ELECTRONICS

## Description

The MTL-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 MTL-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.

Use of MTL-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 MTL-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 MTL-350 procured earlier'.

MTL-350 comprises of a compact portable flight case which houses a 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 MTL-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.

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

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## Specifications

### Speaker load

350 Wrms

### Speaker connector

Speakon  
Safe block assembly

### Speaker line voltage

70 V (default)  
100 V (option)

### Enclosure

Heavy duty flight case

### Dimensions

135 x 275 x 355 mm

### Weight

6.2 kg

### Supply input

90/250 V AC  
50/60 Hz  
Standard IEC connector  
Battery pack (option)

### Power requirement

Full load : 450 VA

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## Enclosure and options

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

The accessories are housed in a second similar case.

An optional battery pack MTL-350-B is available with auxiliary rechargeable sealed lead acid battery pile, enabling operation in the absence of primary AC mains supply input. This battery pack is also housed in a robust flight case.

