



TEST, TEST METHODS AND RESULTS OF TESTS

TEST RESULTS SUMMARY

The Argos SMF/PAPI instrument determined the transition elevation angle in the range of 0° to 10° with the accuracy of 1' required by ICAO recommendations. The instrument measured the overall inclination of the output beam of a PAPI in degraded service condition, with simulated varied terrain under the tripod, using the built-in self-stabilising platform. The average time required for each measurement was 4 minutes.

The optics of the PAPI LHA under test were re-focused based on the information provided by the SMF/PAPI system.

The SMF/PAPI instrument demonstrated the determination of the transition elevation angle through external observation of the PAPI optical beam as with flight inspection methods.

The measured performance of the instrument was in compliance with the specifications provided by the Manufacturer.

Manufacturer's Specifications:

- Accuracy for color transition elevation angle: better than 1 arc-minute
- Precision: better than 1 arc-minute
- Accuracy for intensity tests: 10 %
- Accuracy for chromaticity: 0.03 on CIE x, y coordinates
- Diagnostic capabilities for optimal aligning and focusing the PAPI unit optics
- Operating temperature: -10°C / +35°C (Instrument set to temperate climate)
- Capable of use on variable terrain
- Instrument tripod positioning done without special equipment

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Attachment: Four picture pages
Signed Instrument Test Report (6 pages)