

Press release:

High resolution optical reflectometry for commercial aviation

Luciol Instruments SA announced today that it has delivered its first LOR-220 high resolution Optical Time-Domain Reflectometer (OTDR) to Airbus.

The LOR-220 is a short range, fully portable, high resolution OTDR, specially designed for aviation. The LOR-220 can fully characterize all types of optical fiber assemblies in the distance range of a few meters to hundreds of meters. With its small size, long battery life and ease of use, it is equally at ease both in the assembly line during the manufacturing process, and later in the field for maintenance and troubleshooting purposes.

A user-friendly tool for fiber assembly testing, this reflectometer is used for quality control in aircraft assembly lines, but it can also contribute to improve the maintenance process: using stored historical measurements of fiber optics assemblies, traces can be compared during regular maintenance checks, and potential issues discovered before they arise.

As the use of fiber optics is rapidly expanding in aviation, this sale to Airbus is really a landmark for Luciol. “We are very happy that Airbus has selected our LOR-220 for its fiber testing applications,” said Bruno Huttner, general manager of Luciol Instruments. “This vindicates our view that our new technology has broad applications outside the telecom market. We are confident that Airbus and its partners will quickly benefit from all the advantages of the LOR-220. It will become a new metrology tool for all advanced fiber optics applications in harsh environments.”

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