



## Description

A precise measurement of the LC cell gap is critically important for determining many LC cell parameters. The ALCT-CG1 is a highly accurate measurement tool with easy-to-use software interface for quickly measuring cell gaps.

## Measurement specifications

Cell gap measureable range	1 $\mu$ m to 25 $\mu$ m
Accuracy	$\pm$ 100 nm (or $\pm$ 1% of the cell gap)
Maximum cell dimensions	50mm x 50mm

## Features

- Easy access sliding door
- Fabry-Perot Interferometer
- Complimentary and easy-to-use software for rapid analysis
- USB 2.0 interface, Ethernet, and other connection options to PC
- Compatible with standard InsteC LC cells



## Measurement Software

The InsteC App has built-in cell gap measurement capabilities. The measurement steps are simple and fast. An initial calibration spectrum is measured and stored for reference. Then the test cell is inserted and the sample spectrum is recorded. A phase shift between these spectra is quickly measured and the cell gap is precisely calculated.

