

Accessories



Accurate interferometrical measurements in ambient environment

In order to reduce position inaccuracy due to air-induced variations of the index refraction, attocube supplies an environmental compensation unit (ECU). By locally measuring environmental parameters, an accuracy of typically better ± 1 ppm can be achieved in air. The ECU is plug-and-play compatible with all IDS models and can be screw- or magnet mounted.

Technical Specifications	IDS
art. no.	1010698
dimensions	28 x 61 x 20.5 mm ³
weight	41.5 g
integrated sensors	T, p, rH
interface	RJ12 connector
sensor mount	screw mount
working environment	non condensing
cable length	1,83 m
Measurement Accuracy (Sensors)	
T-sensor	$\pm 0.1^{\circ}\text{C}$ (0..50 $^{\circ}\text{C}$)
p-sensor	± 1 hPa (300..1100 mbar)
rH-sensor	$\pm 2\%$ (10..90%)
typ. accuracy setup	guaranteed ± 1.0 ppm up to 5m; expected ± 0.0 ppm up to 4,2 m