

# 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  $\pm 1$  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.		1014395
dimensions		28 x 61 x 20.5 mm <sup>3</sup>
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°C)
p-sensor		$\pm 1$ hPa (300..1100 mbar)
rH-sensor		$\pm 2\%$ (10..90%)
typ. accuracy setup		guaranteed $\pm 1.0$ ppm up to 5m; expected $\pm 0.0$ ppm up to 4,2 m