

ECU - Environmental Compensation Unit

for FPS or IDS setups

Technical Specifications

FPS ECU - Environmental Compensation Unit

	correcting for variations of index of refraction during operation at ambient conditions
type	hardware & software upgrade
interface	GPIO port
dimensions	∅ 37 mm, height: 17.4 mm
weight	36.5 g
integrated sensors	T, p, rH
meas. accuracy T-sensor	+/- 0.1 °C (0..50°C)
meas. accuracy p-sensor	+/- 1 hPa (300..1100 mbar)
meas. accuracy rH-sensor	+/- 2 % (10..90 %)
typ. accuracy FPS setup	better +/- 1 ppm
sensor mount	magnetic mount, screw mount
working environment	non-condensing
cable length	5 m
maximum separation from sensor	≤ 3 m

IDS ECU - Environmental Compensation Unit

	correcting for variations of index of refraction during operation at ambient conditions
type	hardware upgrade
interface	RJ12 connector
dimensions	28 x 62 x 20.5 mm ³
weight	41.5 g
integrated sensors	T, p, rH
meas. accuracy T-sensor	+/- 0.1 °C (0..50°C)
meas. accuracy p-sensor	+/- 1 hPa (300..1100 mbar)
meas. accuracy rH-sensor	+/- 2 % (10..90 %)
typ. accuracy IDS setup	better +/- 1 ppm
sensor mount	screw mount
working environment	non-condensing
cable length	3 m
maximum separation from sensor	≤ 3 m

Article Numbers

FPS ECU	1008536
IDS ECU	1010698

Drawings

FPS ECU



IDS ECU

