

Xi accessories for accurate temperature measurements in harsh environments

For an optimal integration of our **Xi infrared cameras** in applications in rough industrial surroundings, the following combinable accessories are available.

Accessories	Air purge laminar	Water cooled housing	Shutter
Part-No.:	ACXIAPL ACXI1MAPL ACXIMTAPL	ACXIMW	ACXIS
			
Air purge laminar (ACXIAPL+ACXI1MAPL+ACXIMTAPL) with mounting bracket (ACXIAPLAB)	Water cooled housing (ACXIMW) incl. mounting bracket, adjustable in two axis	Shutter (ACXIS)	
Features:	<ul style="list-style-type: none"> To guarantee a reliable temperature measurement in the long-term the IR camera lens must be kept clean at all times from dust, smoke, fumes and other contaminants in order to avoid reading errors The air purge attachment can be used to protect the Xi optics from contamination in rough and dusty areas 	<ul style="list-style-type: none"> The rugged water cooled housing allows the Xi infrared cameras to be employed in hot environments up to 250 °C Respective heat-resistant cables are also available and recommended 	<ul style="list-style-type: none"> To protect the Xi camera optics a shutter (closing mechanism) can be purchased, which is equipped with a servomotor that can open and close a mechanical lock as needed Special feature: Shutter has a 100 ms fast-closing mode Complete seal when closed, this ensures that no dirt can get on the optics
Material:	Anodized aluminum	Stainless steel	Stainless steel
Weight:	218 g / 494 g with mounting bracket	1710 g	550 g / 826 g with mounting bracket
Note:	<ul style="list-style-type: none"> Ambient temperature: 0 ... 80 °C¹⁾ Make sure to use oil-free, technically clean air only Needed amount of air (approx. 2...10 l/min) depending on application and installation conditions on-site Corresponding replacement windows available Corresponding mounting bracket (Part-No.: ACXIAPLAB) is required 	<ul style="list-style-type: none"> Ambient temperature up to 250 °C¹⁾ Water flow rate: approx. 1 - 5 l / min (Cooling water temperature should not exceed 30 °C) Corresponding mounting kit (Part-No.: ACXlxxxWAKx²⁾) is required (WAK1: Usage without air purge, WAK2: Usage with air purge²⁾) To avoid condensation the laminar air purge is recommended 	<ul style="list-style-type: none"> Ambient temperature: 0 ... 60 °C¹⁾ Includes a control box for connections Can be used with Process Interface (PIF) Xi 80 Xi 410 Xi 1M Part-No.: ACXIPIFCBx*, Xi 400 Xi 640 Part-No.: ACXIPIFMACBx*)²⁾ Corresponding mounting bracket (Part-No.: ACXIAPLAB) is required
YouTube „How-to“ video tutorials	<ul style="list-style-type: none"> Exchange an Xi Air purge window Xi 80 Air purge installation  	<ul style="list-style-type: none"> Assembling an Xi 400 into a water cooled housing attaching a laminar air purge 	

¹⁾Ambient temperature of Xi camera: 0 ... 50 °C

²⁾For more information see operators manual

Combinations



Air purge laminar

(ACXIAPL | ACXI1MAPL | ACXIMTAPL)

Water cooled housing

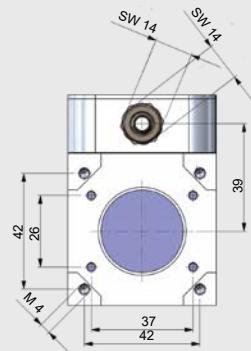
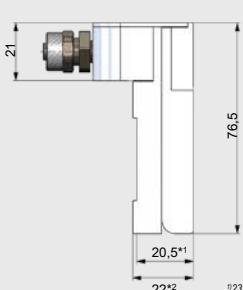
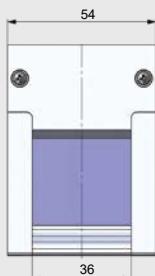
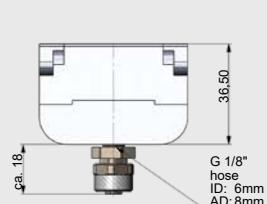
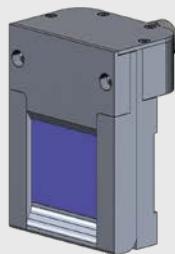
(ACXIMW)

Shutter

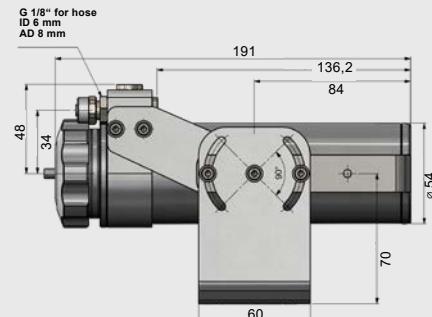
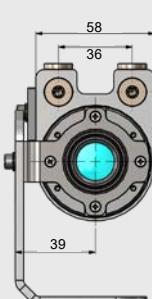
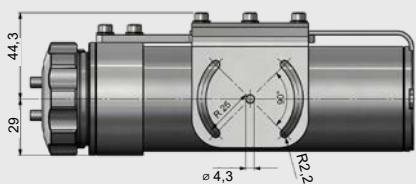
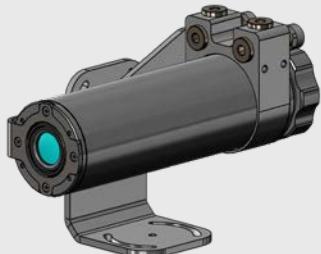
(ACXISW)

Air purge laminar, shutter and water cooled housing

Dimensions: Air purge laminar (in mm)



Dimensions: Water cooled housing (in mm)



Dimensions: Shutter (in mm)

