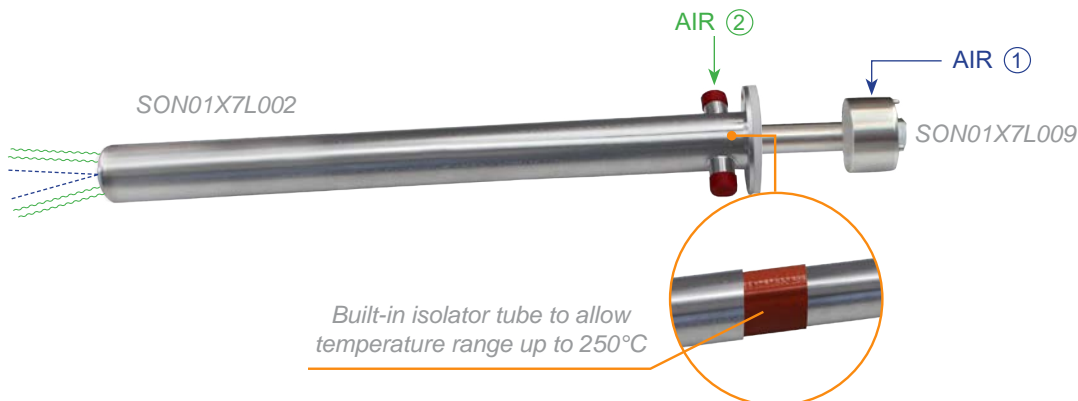


HIGH TEMPERATURE CAMERA

sonda^{tec} high temperature camera housing

Air cooled high temperature vision systems



SONDATEC "L" Series

Operational description

SONDATEC-L housing series have been developed to allow the use of HD megapixel camera in high temperature environments (as glass process, cement industry, iron&steel plant and boiler). With the real-time image provided, operators and engineers can monitor the proper flow of materials and the industrial process.

SONDATEC-L housings have been designed for all applications that require a small entrance diameter. Thanks to this feature SONDATEC-L are ideal also for mobile inspections.

SONDATEC-L housings are available in different lengths from 700 mm up to 1200 mm, with diameters equal to 28,2mm or 55mm. They are typically endowed with axial vision and they can allow diagonal angles of vision up to 105°.

Depending on the behavior of the chemicals involved in the process, SONDATEC camera housing should be made by special stainless steels, high-resistance alloys or by using superficial protections.

SONDATEC-L housings are "pressurized": an integral compressed air system supplies clean air (or appropriate gas) for cooling and particulate removal from the lens. In such a way the lens doesn't require any expensive protection glass, crystal and protection porthole. A constant supply of clean air is essential for proper camera operation and protection: GFATEC series represent an effective filtration system able to remove contaminants and to provide high quality clean air in industrial environments.

SONDATEC-L series is available in two different versions in order to withstand temperatures up to 90°C or up to 250°C. In this case a special built-in isolator tube and an external shield are provided.

Technical specification

Diameter:	28,2 mm (version up to 90°C) or 55 mm (version up to 250°C)
Length:	700 mm or 1200 mm
Length of penetration:	500 mm or 1000 mm (for versions respectively 700 or 1200mm long)
Angle of vision:	axial
Camera:	IP Megapixel CAMTEC series
Electrical connections:	MIL-Std multipolar connector

HIGH TEMPERATURE CAMERA

Air for cooling and cleaning lens ①

Connection: 3/8" M BSPP (other on request)
 Temperatures IN: 35°C max
 Consumption: around 3 Nm³/h (*)
 Pressure entry: from 1 bar to 3 bar, maximum 4 bar (*)
 Quality: Instrumental Air ISO 8573-1Classe 1.7.2

Air for cooling external shield ②

Connection: 2x1/2" M-BSPP
 Temperatures IN: 40°C max
 Consumption: Typical 20Nm³/h
 Pressure entry: 2 bar

Correlated products

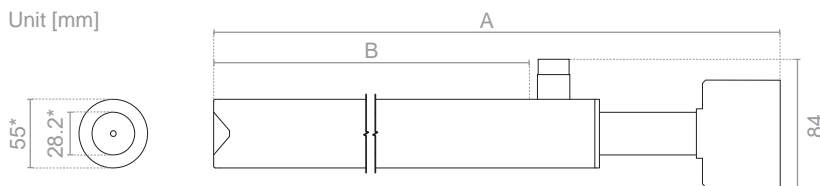
CAM12X-L-- CAMTEC high temperature television camera

Available models (Part Number Configurator)

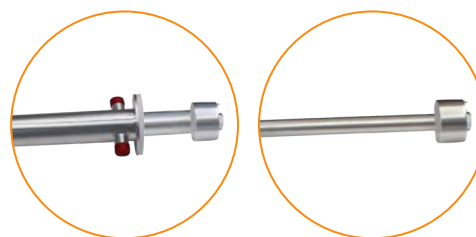
0	1	X	A	B	C	D	E
0	1	X	A	B	C	D	E
			Length [mm]	Series	View / Field of vision	Material	Version
			1 = 1200	S = Air & water cooling	0 = axial	0 = AISI316L	9 = up to 90°C
			3 = 300	P = Air cooling		1 = AISI310S	2 = up to 250°C
			4 = 4000	G = Air cooling			
			6 = 1600	L = Air cooling			
			7 = 700				

Dimensions

Unit [mm]



A (Length of the Sondatec) = 700mm or 1200mm depending on model;
 B (Length of penetration) = 500mm or 1000mm depending on A;
 * Ø55mm for CAM12X-L0-9 models; Ø28.2mm fir CAM12X-L0-2 models.



SON01X7L002

SON01X7L009

Notes

(*) Data are indicative and depend of process' temperature and application. For more informations, please contact our engineers.

The "T TELEA" brand and "T" logo are registered trademark of Telea Tecnovision S.r.l. Specifications may be subject to change for improvement without prior notice.



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