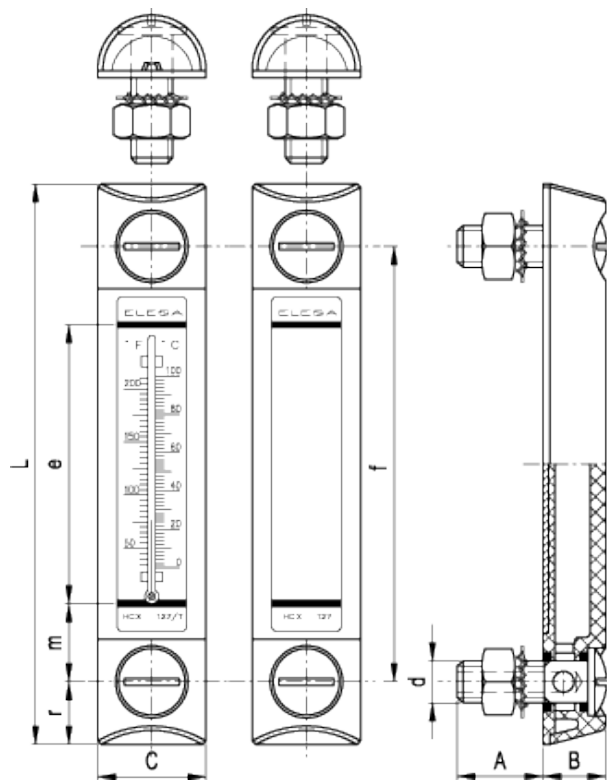


HCX-AR

Column level indicators for use with fluids containing alcohol



ELESA Original design



technical informations

Material

Transparent polyamide based (PA-T/AR) technopolymer. Highly resistant to shocks, solvents, oils with additives, aliphatic and aromatic hydrocarbons, petrol, naphtha, phosphoric esters, additives and detergents containing alcohol.

Screws, nuts and washers

Zinc-plated steel.

Packing rings

NBR synthetic rubber O-Ring.

Contrast screen

White lacquered aluminium. The housing, in the appropriate external rear slot, guarantees the best protection from direct contact with fluid, avoiding yellowing effect due to the prolonged action of the fluid at high temperatures. It can be removed before installation to fit marks and words (for example MAX-MIN).

Thermometer

HCX/T-AR: incorporated thermometer for temperature reading.

Assembly

- When nuts can be fitted from the inside of the reservoir, by means of the supplied set screws and nuts.
- When nuts cannot be fitted from the inside of the reservoir and the walls are thick enough, by means of the supplied set screws, without nuts, by tapping the two holes in the reservoir walls.
- When nuts cannot be fitted from the inside of the reservoir and the walls are not thick enough, by means of the supplied set screws and the [Fast Mounting Kit](#) (for HCX.76 and HCX.127).

To ensure the best sealing of the O-rings it is recommended to apply the maximum torque on the nuts as reported in the table and a roughness of the gasket application surface $Ra = 3 \mu m$.

Maximum continuous working temperature

80°C.

Features and performances

Assembled using ultrasound welding to guarantee a perfect seal. Entirely in transparent material: maximum fluid level visibility even from side positions. Visibility and temperature reading magnified by lens effect.

Technical data

In laboratory tests carried out with mineral oil for hydraulic systems type CB68 (according to ISO 3498) with gradually increasing pressure, at 23°C, the weld stood up as follows:

- HCX.76-AR 13 bar
- HCX.127-AR 13 bar
- HCX.254-AR 10 bar

In any case we suggest to verify the suitability of the product under the actual working conditions. If you need to use the indicator with other oils or fluids and under different pressure and temperature conditions, please contact ELESAs Technical Department or carry out tests in order to guarantee a proper use.

Special executions on request

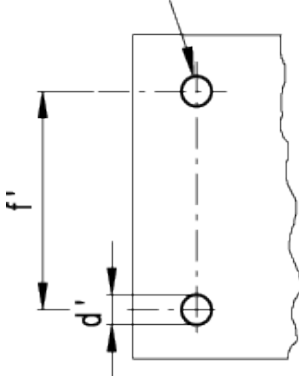
Indicators with two red ball-shaped floats (only for HCX-AR executions)



Standard Elements		Main dimensions									Thermometer scale		Weight
Code	Description	f	d	A	B	C	L	e	m	r	°C	°F	g
11342	HCX.76-AR-M10	76	M10	22	16	27	107	40	18	15.5	-	-	87
11347	HCX.76/T-AR-M10	76	M10	22	16	27	107	40	18	15.5	20÷100	68÷210	87
11352	HCX.127-AR-M12	127	M12	23	18	31	161	80	23	17	-	-	138
11357	HCX.127/T-AR-M12	127	M12	23	18	31	161	80	23	17	0÷100	32÷210	138
11362	HCX.254-AR-M12	254	M12	21	18	35	291	203	26	18.5	-	-	185
11367	HCX.254/T-AR-M12	254	M12	21	18	35	291	203	26	18.5	0÷100	32÷210	185

Drilling template

Holes without burrs and chamfer



Drilling and installation data			
Description	$d'_{-0.2}$	$f'_{\pm 0.2}$	Maximum tightening torque [Nm]
HCX.76	10.5	76	8
HCX.127	12.5	127	8
HCX.254	12.5	254	8



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STANDARD MACHINE ELEMENTS WORLDWIDE