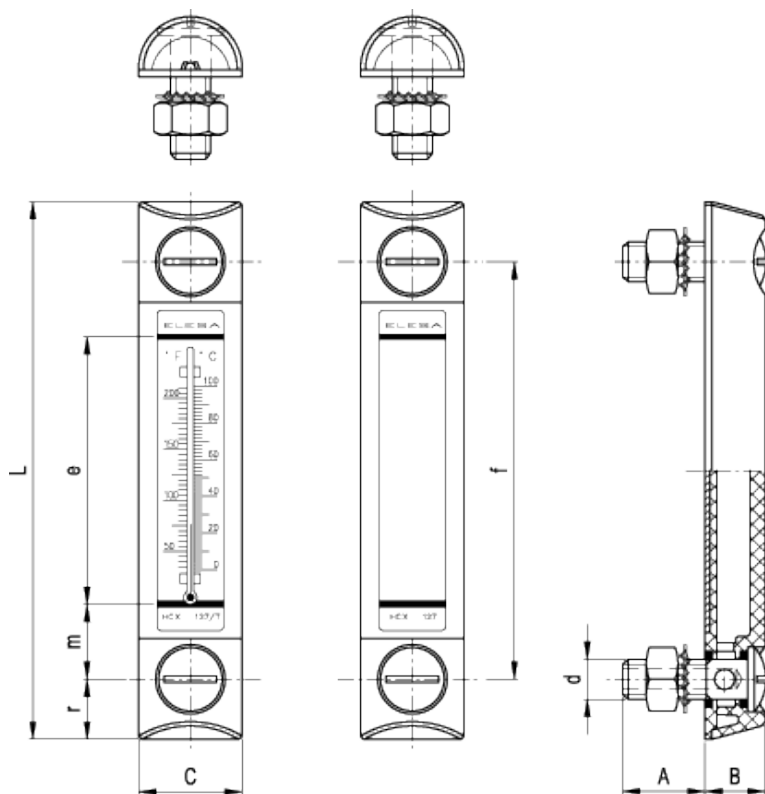


# HCX.

Column level indicators



ELESA Original design



## technical informations

### Material

Transparent polyamide based (PA-T) technopolymer. Highly resistant to shocks, solvents, oils with additives, aliphatic and aromatic hydrocarbons, petrol, naphtha, phosphoric esters. Avoid contact with alcohol or 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: 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  $R_a = 3 \mu\text{m}$ .

### Maximum continuous working temperature

90°C (with oil).

### 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 18 bar
- HCX.127 18 bar
- HCX.254 12 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.

### Other standard executions

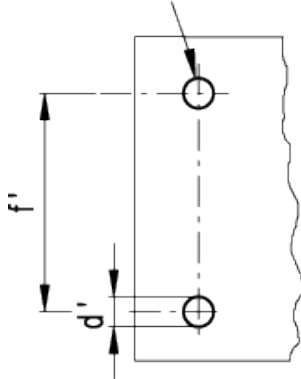
- [HCX/AR](#) for use with fluids containing alcohol.
- [HCX.INOX-BW](#) for use with hot water.
- Indicators with two red ball-shaped floats (only for HCX executions).



Standard Elements		Main dimensions									Thermometer scale		Weight
Code	Description	f	d	A	B	C	L	e	m	r	°C	°F	g
11341	HCX.76-M10	76	M10	22	16	27	107	40	18	15.5	-	-	87
11346	HCX.76/T-M10	76	M10	22	16	27	107	40	18	15.5	20÷100	68÷210	87
11349	HCX.127-M10	127	M10	23	18	31	161	80	23	17	-	-	138
11354	HCX.127/T-M10	127	M10	23	18	31	161	80	23	17	0÷100	32÷210	138
11351	HCX.127-M12	127	M12	23	18	31	161	80	23	17	-	-	138
11356	HCX.127/T-M12	127	M12	23	18	31	161	80	23	17	0÷100	32÷210	138
11361	HCX.254-M12	254	M12	21	18	35	291	203	26	18.5	-	-	185
11366	HCX.254/T-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	12
HCX.127 (M10)	10.5	127	12
HCX.127 (M12)	12.5	127	12
HCX.254	12.5	254	10

drawings.

**STANDARD MACHINE ELEMENTS WORLDWIDE**

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