

























Accessories for hydraulic systems 15









Oil electrical level indicators

with MAX temperature electrical sensor

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

Step-shaped for the seal on the reservoir walls and NBR synthetic rubber O-ring under screw head.

Suggested roughness of the packing ring application surface Ra = 3

SENSOR BRACKET

Watertight in glass-fibre reinforced polyamide based (PA) technopolymer, black colour, with MAX temperature sensor (80°C). For a correct assembly see Warnings (on page).

SWIVELLING CONNECTOR

With built-in cable gland and contact holder. Front or axial output (high or low) ensuring protection against water sprays (protection class IP 65 according to table EN 60529 table see page).

CONTRAST SCREEN

White lacquered aluminium. The housing, in the appropriate external rear slot, guarantees the best protection from direct contact with

It can be taken out from the inclined side, before assembly to allow the insertion of level lines or words

STANDARD EXECUTIONS

- HCV-ST-NO: with electric contact normally open (NO).
- HCV-ST-NC: with electric contact normally closed (NC).

MAXIMUM CONTINUOUS WORKING TEMPERATURE

90°C (with oil).

FEATURES AND PERFORMANCES

In addition to the visual control, HCV-ST column level indicator, generates an electric signal when the temperature reaches the preset degrees (80°C).

Ultrasound welding to guarantee a perfect seal.

Maximum fluid level visibility even from side positions.

Lens effect for a better visibility of the fluid level.

TECHNICAL DATA

In laboratory tests carried out with mineral oil type CB68 (according to ISO 3498) at 23°C for a limited period of time, the weld stood up to: 18 bar (HCV.127) 12 bar (HCV.254)

For use with other fluids and under different pressure and temperature conditions, please contact ELESA Technical Department.

In any case we suggest to verify the suitability of the product under the actual working conditions.

SPECIAL EXECUTIONS ON REQUEST

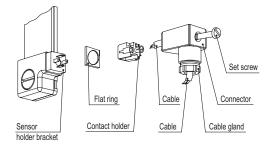
- Level indicators with stainless steel screws, nuts and washers.
- Level indicators HCV.76 with screws M12.
- Level indicators for use with fluids containing alcohol.
- UV resistant transparent technopolymer level indicators.
- MAX temperature electrical sensor with trigger threshold at 70°C



ELESA Original design

CONNECTOR ASSEMBLY INSTRUCTIONS

- 1. Remove the connector from the indicator by unscrewing the set screw placed on the connector, take the contact holders out and loosen the cable gland.
- 2. Slip on the cable into the connector (standard connector) and connect the wires to the terminals 3 and earth of the contact
- 3. Assemble by pressing the contact holder into the connector in the required position.
- 4. Screw the connectors to the indicator and then tighten the cable



MAX temperature sensor

AC/DC

NO normally open

NC normally closed

50 mA

Pg 7 (for cables in sheath with Ø 6 or 7

mm)

Max. 1.5 mm²

Drilling template Holes without burrs and chamfer

NC

(resisteve loads)

250 Vac - 2 A

115 Vac- 3A 24 Vdc - 3 A 12 Vdc - 4 A

NO

temperature is reached at 80°C.

temperature at 80°C is reached.

FUNCTIONING OF THE MAX TEMPERATURE SENSOR

- HCV-ST-NO: the electrical contact closes when the pre-set

- HCV-ST-NC: the electrical contact opens when the pre-set

ЩЩ

Η

M12

20

19.5

С

254

Electrical features

Tension feed

Electric contacts

Voltage /

Maximum current

Minimum current

Cable gland

Conductors cross-

section

В

10











Code	Description	f	d	Α	В	С	Н	L	е	ı	l1	m	d' -0.2	f '±0.2	C# [Nm]	7.7
11041	HCV.76-ST-NO-M10	76	M10	20	19.5	30.5	55	102	43.5	20	26.5	13	10.5	76	12	133
11042	HCV.76-ST-NC-M10	76	M10	20	19.5	30.5	55	102	43.5	20	26.5	13	10.5	76	12	133
11112	HCV.127-ST-NO-M12	127	M12	20	19.5	30.5	55	153	97	20	78.5	13	12.5	127	12	149
11113	HCV.127-ST-NC-M12	127	M12	20	19.5	30.5	55	153	97	20	78.5	13	12.5	127	12	149
11122	HCV/25/LST_NO_M12	25/	M12	20	10.5	30.5	55	280	22/	20	205.5	13	12.5	25/	12	176

55

280

224

Maximum tightening torque

HCV.254-ST-NC-M12

11123



30.5

Φ

Ξ

13

12.5

254

12

205.5

20

176