

CASCED Controlled English Translation

Source file: 液位/NH82一体式双表头液位温度传感器.pdf

Original diagrams and page relationships are retained in the paired source PDF. The following English text is the controlled translation and data transcription.

NH82 Integrated Dual-Display Level and Temperature Sensor

Model: NH82

Product family: Level Measurement

Category: Level and Temperature Sensors



Overview

Integrated level and temperature sensor with two displays, switch outputs, and independent analog outputs.

Features

- Dual level/temperature display
- 330° rotatable display
- User-set alarm points
- Stainless-steel construction

Applications

- Food and pharmaceutical
- Power generation
- Petrochemical
- Pulp and paper
- Water treatment
- Boilers

Technical Specifications

Specification	Source value
Level range	Custom probe length
Temperature ranges	0–100°C; 0–120°C
Media	Mineral oil, gasoline, water
Pressure	50 bar
Minimum media density	$\geq 0.7 \text{ g/cm}^3$
Supply	12–30 VDC
No-load current	Max. 30 mA at 24 VDC
Switch outputs	PNP or NPN; NO/NC programmable; S1/S2 <500 mA
Analog outputs	4–20 mA programmable; ordering table also lists 1–5 V
Response time	<10 ms
Output accuracy	$\leq \pm 0.5\% \text{ FS}$
Linearity	$\leq 1.5\% \text{ FS}$
Stability	$\leq \pm 0.3\% \text{ FS/year}$
Protection	IP65
Electrical connection	M12×1

Source-Control Status

Ready