

CASCED Controlled English Translation

Source file: 液位/NH83一体式液位温度双模拟信号.pdf

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

NH83 Integrated Digital Level and Temperature Sensor

Model: NH83

Product family: Level Measurement

Category: Level and Temperature Sensors



Overview

Compact integrated level and temperature sensor for space-constrained installations, with switch and analog outputs.

Features

- Compact digital display
- 330° rotatable head
- Simultaneous level and temperature monitoring
- User-set alarm points

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
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	$\leq 1.5\% \text{ FS}$
Protection	IP65

Source-Control Status

Ready