

CASCED Controlled English Translation

Source file: 液位/CASCED-面板式液位开关.pdf

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

BA Series Fluid Level Gauge

Model: BA

Product family: Level Measurement

Category: Visual Level Gauges

Overview

Externally mounted visual fluid level gauge with optional thermometer, temperature probe, non-return valves, and stainless-steel housing.

Features

- Twelve nominal sizes stated in overview
- Optional °C/°F thermometer
- BA-IB non-return-valve version
- BA-S stainless-steel housing version

Applications

- Machine tools
- Hydraulic, lubricating, and cutting-oil tanks
- Gearboxes
- System engineering

Technical Specifications

Specification	Source value
Nominal center distances	76; 80; 100; 127; 150; 160; 176; 200; 250; 254; 381 mm, as listed
Maximum pressure	1 bar
Operating fluid temperature	-20°C to +80°C
Thermometer range	-10°C to +80°C
Optional probe range	0°C to +100°C
Viscosity limit	2000 mm²/s
Seals	NBR; FKM; FVMQ depending on version
Compatibility note	Standard BA/BK versions are not suitable for glycol or glycol-containing fluids

Source-Control Status

Review required — overview says 12 sizes but the recognized size list contains 10 or 11 values depending on section.

BK Series Panel-Mounted Level Switch

Model: BK

Product family: Level Measurement

Category: Panel-Mounted Level Switches

Overview

Externally mounted visual level indicator with an electrical low-level switch.

Features

- Visual orange float
- NO or NC low-level contact
- Optional temperature probe or TS temperature switch

Applications

- Hydraulic, lubricating, and cutting-oil tanks
- Gearboxes
- Machine tools

Technical Specifications

Specification	Source value
Nominal center distances	127; 150; 160; 176; 200; 254; 381 mm
Switching voltage	1–48 VAC/DC, as printed
Switching current	Max. 0.2 A
Contact load	Max. 8 W
Protection	IP65
Operating fluid temperature	-20°C to +80°C
Viscosity limit	2000 mm ² /s

Source-Control Status

Review required — source reverses Type O/Type C NO/NC labels in one location; switching logic must be confirmed.

TS Temperature Switch and TI Temperature Probe Accessories

Model: TS / TI
Product family: Temperature Measurement
Category: Temperature Switch Accessories

Overview

Temperature accessories for BA/BK level products; TS is a bimetal temperature switch and TI is a temperature probe.

Features

- TS installs in place of the lower BA/BK banjo bolt
- TI measures 0°C to +100°C

Applications

- Temperature monitoring in fluid reservoirs

Technical Specifications

Specification	Source value
TS nominal temperatures	60°C; 70°C; 80°C
TS contact	NC
TS minimum switching current	50 mA
TS tolerance	±5°C
TS switching life/current	2.5 A/50 V for 10,000 operations; 0.5 A/50 V for 100,000 operations
TS reset hysteresis	Source shows nominal temperature minus 20°C; narrative says approximately 15 K
TI range	0°C to +100°C

Source-Control Status

Review required — hysteresis conflicts between narrative (approximately 15 K) and technical table (20°C).