POINTER OIL LEVEL GAUGES / SELECTION

YZF Pointer Gauges

Mechanical indication with high / low oil-level alarm contacts

A float and rod mechanism drives a dial pointer through magnetic coupling. Use the exact model, conservator geometry and contact arrangement when selecting a gauge.

01 Operating conditions

Parameter	Catalog value
Dial diameters	90 / 140 / 200 / 250 mm
Ambient temperature	-45 to +55 °C
Maximum oil temperature	90 °C
Relative humidity	No more than 90% at 25 °C
Indication error	Less than 2.5% of full scale
Location	Free from severe vibration and shock
Cable entry	M20 x 1.5

02 Contact ratings

Supply	Voltage	Current
AC	220 V	5 A
DC	220 V	0.3 A

Order-code example: YZF3-200TH. F: straight rod and float; design 3; 200 mm dial; TH: hot-humid environment. S denotes a telescopic rod; SD / SG denote dual low / high oil-level contacts.

Scope: YZF pointer models on printed catalog pages 45-48. YZF-M remote-output gauges and digital terminals have separate specifications.

MOUNTING REFERENCE / ELECTRICAL CONTACTS

Mounting & wiring

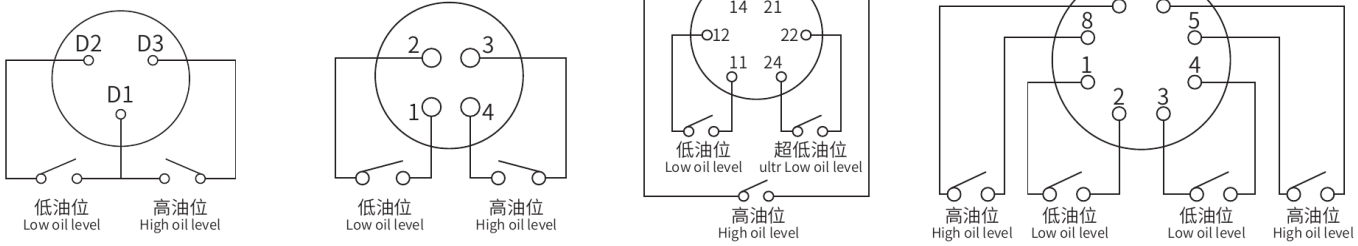
03 Catalog mounting table (mm)

Model	Flange OD	Bolt circle	Gasket OD x ID x section	Holes	Opening
YZF1-90	90	75	62 x 54 x 4	4-M8	50
YZF1/2-140	140	116	100 x 90 x 5	4-M10	84
YZF3-140	140	116	100 x 90 x 5	4-M10	84
YZF1/2-200	160	135 / 138	120 x 106 x 7	6-M10	100
YZF1-250	160	135 / 138	120 x 106 x 7	6-M10	100
YZF3-200	156	130 / 135	115 x 105 x 5	6-M10	100
YZF2/3-250	156	130 / 135	115 x 105 x 5	6-M10	100

Mounting confirmation required. The catalog table lists six M10 holes for the 200 / 250 mm groups, while several corresponding outline drawings show four holes. These references must not be treated as an approved drilling pattern. Obtain the exact-model installation drawing before machining or ordering.

04 Original contact diagrams

05 接线图 Wiring diagram

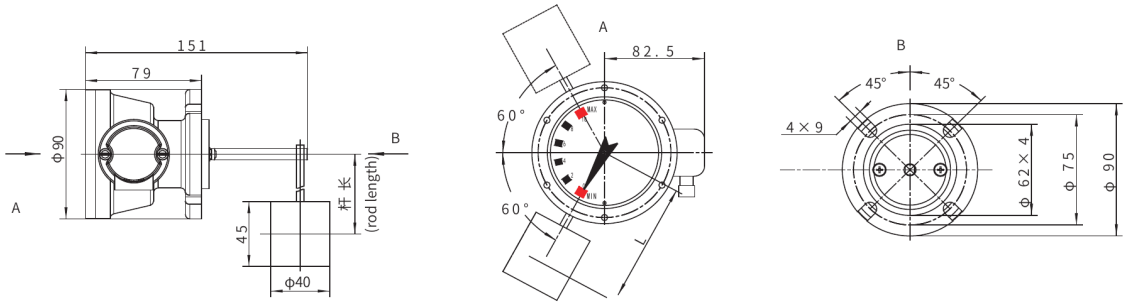


Alternative contact arrangements from the catalog. Terminal labels and switch symbols are preserved. Select the diagram that matches the ordered contact configuration; do not infer wiring from dial diameter alone.

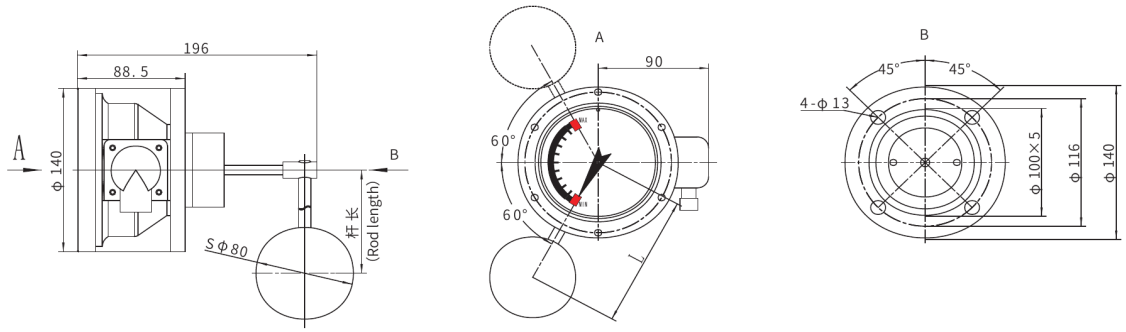
ORIGINAL DRAWINGS / CONFIGURATION REFERENCE

90 / 140 mm outline references

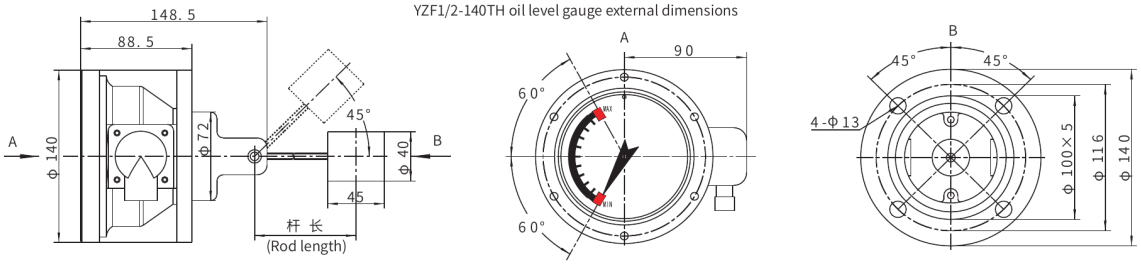
Original bilingual drawings. Model captions, scales and dimensions are unchanged.



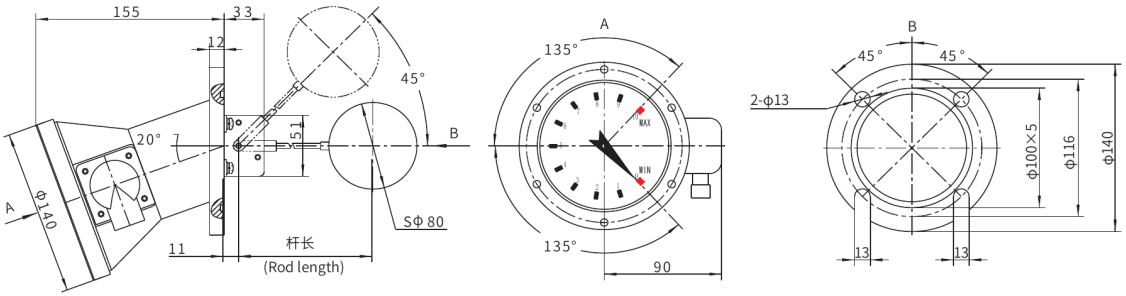
YZF1-90TH油位计外型尺寸图
YZF1-90TH oil level gauge external dimensions



YZF1/2-140 TH油位计外型尺寸图
YZF1/2-140TH oil level gauge external dimensions



YZF3-140 TH（120°）油位计外型尺寸图
YZF3-140TH(120°) oil level gauge external dimensions



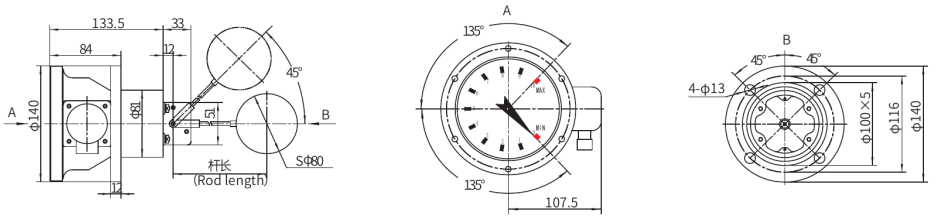
YZF3-140 TH油位计外型尺寸图
YZF3-140 TH oil level gauge external dimensions

Mounting-hole counts differ between the source table and some drawings; see page 2. Confirm rod length, swing clearance and the exact approved mounting drawing.

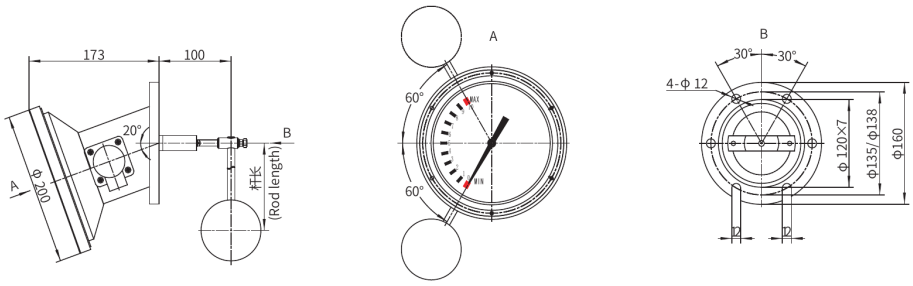
ORIGINAL DRAWINGS / CONFIGURATION REFERENCE

140 / 200 / 250 mm outline references

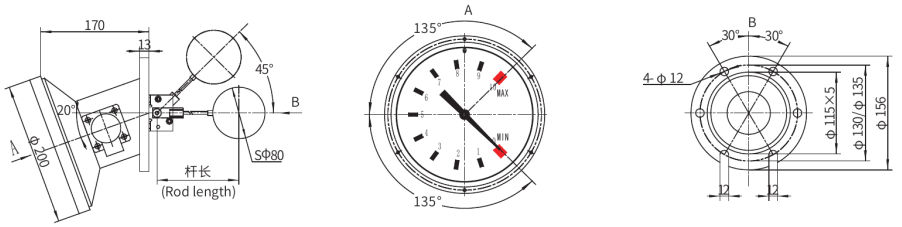
Original bilingual drawings. Model captions, scales and dimensions are unchanged.



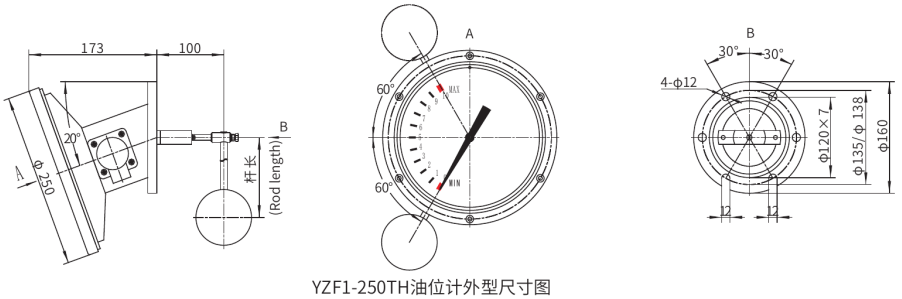
YZF3-140 TH（一体）油位计外型尺寸图
YZF3-140 TH (As one) oil level gauge external dimensions



YZF1/2-200TH油位计外型尺寸图
YZF1/2-200TH oil level gauge external dimensions



YZF3-200TH油位计外型尺寸图
YZF3-200TH oil level gauge external dimensions



YZF1-250TH油位计外型尺寸图
YZF1-250TH oil level gauge external dimensions



YZF2/3-250TH油位计外型尺寸图
YZF2/3-250TH oil level gauge external dimensions

Mounting-hole counts differ between the source table and some drawings; see page 2. Confirm rod length, swing clearance and the exact approved mounting drawing.