

JUMO GmbH & Co. KG
 Delivery address: Mackenrodtstraße 14,
 36039 Fulda, Germany
 Postal address: 36035 Fulda, Germany
 Phone: +49 661 6003-0
 Fax: +49 661 6003-607
 E-mail: mail@jumo.net
 Internet: www.jumo.net

JUMO Instrument Co. Ltd.
 JUMO House
 Temple Bank, Riverway
 Harlow - Essex CM20 2DY, UK
 Phone: +44 1279 63 55 33
 Fax: +44 1279 63 52 62
 E-mail: sales@jumo.co.uk
 Internet: www.jumo.co.uk

JUMO Process Control, Inc.
 8 Technology Boulevard
 Canastota, NY 13032, USA
 Phone: 315-697-JUMO
 1-800-554-JUMO
 Fax: 315-697-5867
 E-mail: info@jumo.us
 Internet: www.jumo.us



Indicator Thermometer Standard version

Particularities

- Temperature display with bi-metal measuring system
- Sheet steel case
- Class 1.5
- Protection class IP 51
- Case dimensions Ø: 50 mm, 63 mm, 80 mm and 100 mm

Brief description

Indicator thermometers in standard version
 are devices which can be universally used for temperature measurement.



Type 608001/1810

Technical Data

Basic type extensions	0150, 0163, 0180, 0110, 1863, 1880, 1810							
Case	Case and front ring made of galvanized sheet steel; bracket made of aluminum (design 18)							
Protection type	IP 51 as per DIN 60529							
Front pane	Glass							
Scale	Polished aluminum, labeled in black							
Display	linear, class 1.5 similar to DIN EN 13190							
Time behavior	t 0.9 evaluation time approx. 30 s (measured in moving water with a probe Ø of 10 mm made of brass)							
Influential effect of the ambient temperature	no influence							
Limit value temperatures	-30...+80°C (storage and transport -30...+80°C)							
Rated position	any							

Display range	632	810	818	826	832	834	840	854
Display range in °C	-20...+60	0...+80	0...+120	0...+160	0...+200	0...+250	0...+300	0...+500
Measuring range in °C	-10...+60	+10...+70	+20...+100	+20...+140	+20...+180	+30...+220	+30...+270	+50...+450
Tolerance in °C	1.5	1.5	3.0	3.0	3.0	4.0	8.0	8.0

JUMO GmbH & Co. KG
 Delivery address: Mackenrodtstraße 14,
 36039 Fulda, Germany
 Postal address: 36035 Fulda, Germany
 Phone: +49 661 6003-0
 Fax: +49 661 6003-607
 E-mail: mail@jumo.net
 Internet: www.jumo.net

JUMO Instrument Co. Ltd.
 JUMO House
 Temple Bank, Riverway
 Harlow - Essex CM20 2DY, UK
 Phone: +44 1279 63 55 33
 Fax: +44 1279 63 52 62
 E-mail: sales@jumo.co.uk
 Internet: www.jumo.co.uk

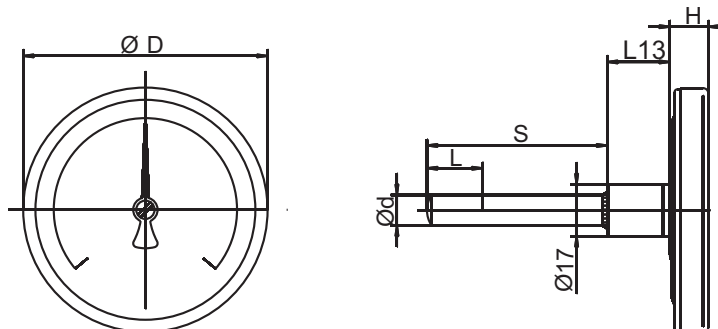
JUMO Process Control, Inc.
 8 Technology Boulevard
 Canastota, NY 13032, USA
 Phone: 315-697-JUMO
 1-800-554-JUMO
 Fax: 315-697-5867
 E-mail: info@jumo.us
 Internet: www.jumo.us



Dimensions

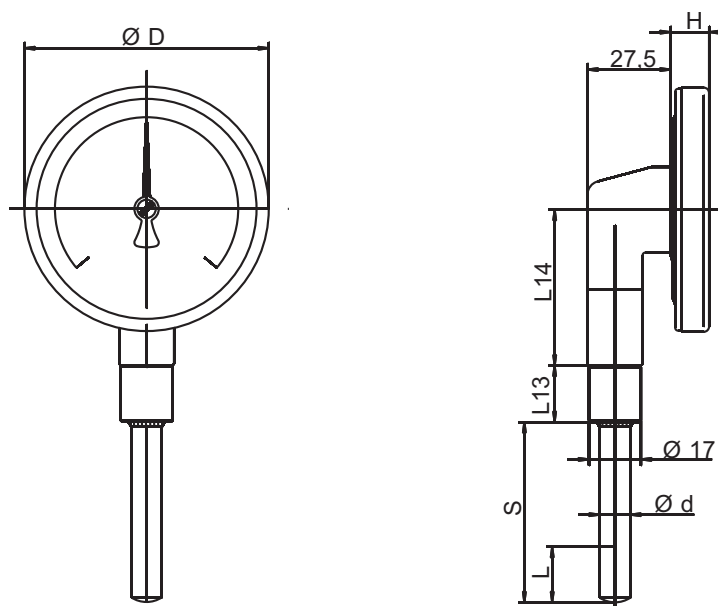
Types:

608001/0150
 608001/0163
 608001/0180
 608001/0110



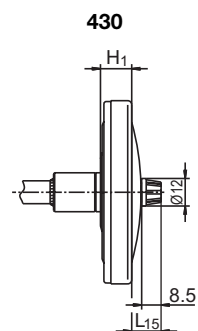
Types:

608001/1863
 608001/1880
 608001/1810



Dimensional specifications about Ø d and L₁₃ see data sheet 60.8730.

Extra codes



Type	Ø D	H	H ₁	L ₁₄	L ₁₅	L ₁₆
608001/0150	50	13	--	--	--	--
608001/0163	63	13	14	--	12	13
608001/1863				26		
608001/0180	83	13	14	--	13	14
608001/1880				51		
608001/0110	100	16	16	--	13	14
608001/1810				51		

JUMO GmbH & Co. KG
 Delivery address: Mackenrodtstraße 14,
 36039 Fulda, Germany
 Postal address: 36035 Fulda, Germany
 Phone: +49 661 6003-0
 Fax: +49 661 6003-607
 E-mail: mail@jumo.net
 Internet: www.jumo.net

JUMO Instrument Co. Ltd.
 JUMO House
 Temple Bank, Riverway
 Harlow - Essex CM20 2DY, UK
 Phone: +44 1279 63 55 33
 Fax: +44 1279 63 52 62
 E-mail: sales@jumo.co.uk
 Internet: www.jumo.co.uk

JUMO Process Control, Inc.
 8 Technology Boulevard
 Canastota, NY 13032, USA
 Phone: 315-697-JUMO
 1-800-554-JUMO
 Fax: 315-697-5867
 E-mail: info@jumo.us
 Internet: www.jumo.us



Order details

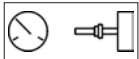
Order code

(1) Basic type

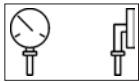
608001 Mechanical indicator thermometer, standard version class 1.5

(2) Basic type extensions

Design 01 Case size Ø

0150		50 mm
0163		63 mm
0180		80 mm
0110		100 mm

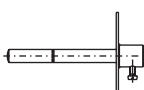
Design 18 Case size Ø

1863		63 mm
1880		80 mm
1810		100 mm

(3) Display range in °C

632	-20...+60
810	0...+80
818	0...+120
826	0...+160
832	0...+200
834	0...+250
840	0...+300
854	0...+500

(4) Process connection (PC)

010	TA 01	Immersion tube with collar	
844	TA 02	Immersion tube with union nut and loose screw-connection ^a	
845	TA 03	Immersion tube with loose union nut	
841	TA 04	Immersion tube with fixed hexagon ^a	
847	TA 06	Immersion tube with displaceable clamping screw-connection (max. 20 bar)	
018	TA 08	Immersion tube with displaceable mounting plate made of galvanized steel and locking screw	
858	SH 04	Single-section screw-in thermowell	
891	SH 05	Multi-sectional screw-in thermowell	
913	SH 07	Multi-sectional screw-in thermowell with locking screw	
820	SH 09	Multi-sectional weld-in thermowell with locking screw	

^a Screw spigot as per DIN 3852 form A (not for NPT threads).

JUMO GmbH & Co. KG
 Delivery address: Mackenrodtstraße 14,
 36039 Fulda, Germany
 Postal address: 36035 Fulda, Germany
 Phone: +49 661 6003-0
 Fax: +49 661 6003-607
 E-mail: mail@jumo.net
 Internet: www.jumo.net

JUMO Instrument Co. Ltd.
 JUMO House
 Temple Bank, Riverway
 Harlow - Essex CM20 2DY, UK
 Phone: +44 1279 63 55 33
 Fax: +44 1279 63 52 62
 E-mail: sales@jumo.co.uk
 Internet: www.jumo.co.uk

JUMO Process Control, Inc.
 8 Technology Boulevard
 Canastota, NY 13032, USA
 Phone: 315-697-JUMO
 1-800-554-JUMO
 Fax: 315-697-5867
 E-mail: info@jumo.us
 Internet: www.jumo.us



(5) Ø Process connection (PC) ^b

6	6 mm	
10	10 mm	
12	12 mm	(only with SH 05, SH 07)
14	14 mm	(only with SH 05, SH 07, SH 09)
17	17 mm	(only with SH 04)

(6) Thread type of process connection (PC) ^b

000	Without thread (only TA 01)
103	Screw connection G 3/8
104	Screw-connection G 1/2
105	Screw-connection G 3/4
144	Screw-connection 1/2-14NPT

(7) Probe material

26	Stainless steel (CrNi, 1.4571)
46	Brass (CuZn)

(8) Material of process connection (PC) ^b

26	Stainless steel (CrNi, 1.4571)
46	Brass (CuZn)

(9) Fitting length, process connection (PC) dimension "S"

100	100 mm
150	150 mm
200	200 mm
...	Special length (specifications in plain text - 50 mm steps)

(10) Extra code (EC)

000	Without extra codes
430	Fly back (only with basic type extension 0163, 0180, 0110, 1863, 1880, 1810 - display range min. 100 K)
522	Customized scale

Special versions on request !

^b For the description and particularities refer to data sheet 60.8730.

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)										
Order code	608001	/		-		-		-		-		, ...								
Order example	608001	/	180	-	818	-	845	-	10	-	104	-	96	-	46	-	100	/	000 ^c	, ...

^c State extra codes in sequence, separated by commas.

Stock versions

Part No.	Type	Display range °C	ø / dimension „S“ or „EL“
60/80000580	608001/0163-818-913-12-104-46-46-50/000	0...+120	12 x 50
60/80000581	608001/0163-818-913-12-104-46-46-63/000	0...+120	12 x 63
60/80000582	608001/0180-818-913-12-104-46-46-50/000	0...+120	12 x 50
60/80000583	608001/0110-818-913-12-104-46-46-100/000	0...+120	12 x 100
60/80000101	608001/0110-834-841-10-104-01-01-200/000	0...+250	10 x 200
60/80000103	608001/1810-818-841-10-104-46-01-100/000	0...+120	10 x 100

Delivery within 3 working days after receipt of order