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# 550/T-550 SIGHT LEVEL GAUGE INSTRUCTIONS

## Mounting Instructions—Parts Sheet



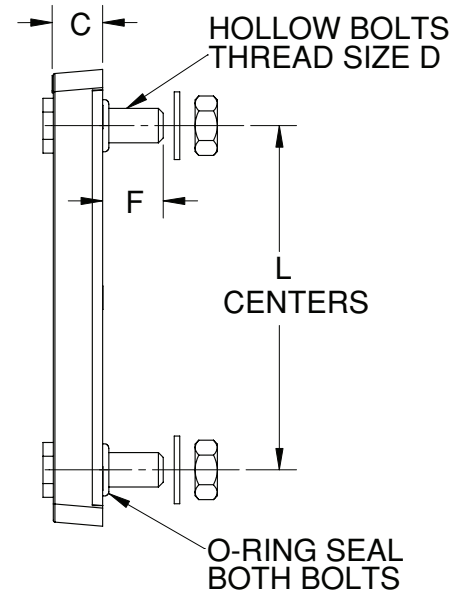
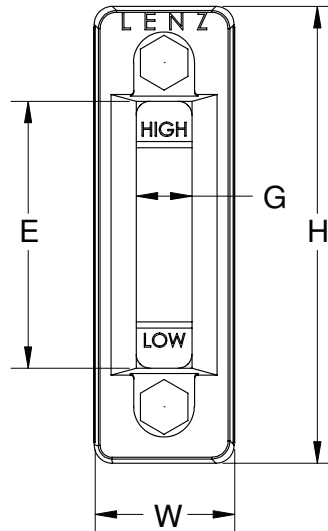
T-550-7



T-550-5



550-5



### Dimensional Detail

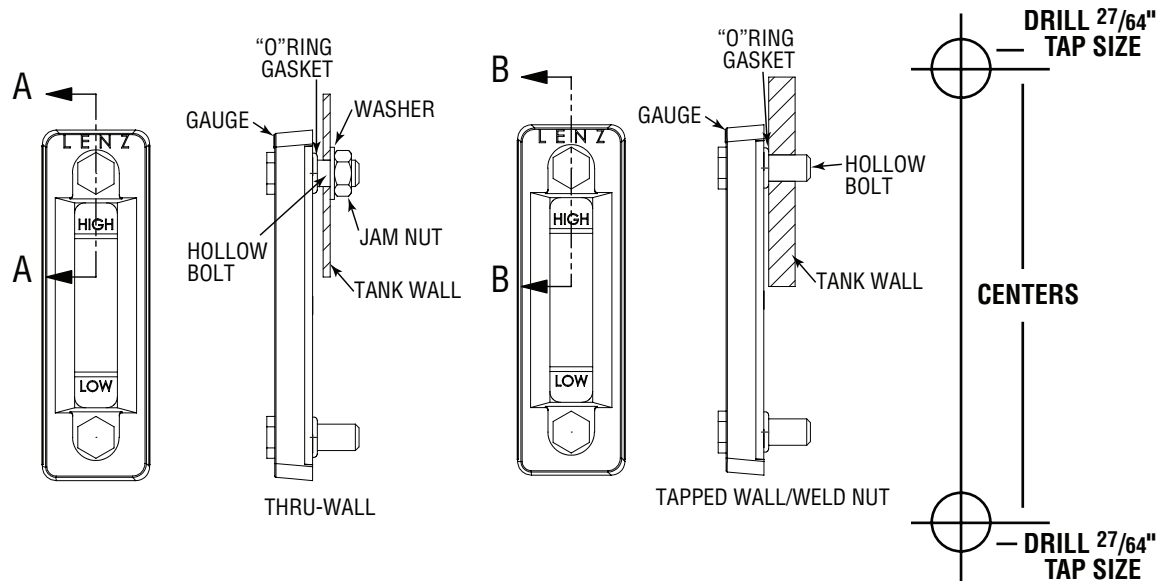
STANDARD MODELS	THERMOMETER MODELS		L	H	W	C	D	E	F	G
550-3	T-550-3	IN	3.3"	4.8"	2"	0.7"	1/2-13 UNC-2	2.2"	0.8"	0.8"
		MM	84	122	51	18		56	20	20
550-5	T-550-5	IN	5"	6.6"	2"	0.7"	1/2-13 UNC-2	3.9"	0.8"	0.8"
		MM	127	168	51	18		99	20	20
550-7	T-550-7	IN	7"	8.6"	2.3"	0.8"	1/2-13 UNC-2	5.9"	0.7"	1"
		MM	178	218	58	20		150	18	25

Note\* When ordering for tapped tank wall, add "SB" to part number Ex: SB-T-550-5

### Mounting Instructions

Model 550 & T-550 sight level gauges can be mounted on reservoirs by either bolting on drilled holes or installed externally on tapped centers (L). Drill or cut holes according to size and outlined in table (L) according to sight gauge size. Mount with parts located as shown. Whenever possible, hold outside hex bolt head (D) with box wrench and tighten the hex jam nuts. Bolts are furnished standard in a length suitable for most tank walls.

Metric bolts can be furnished upon request in M10 or M12 sizes.



# GENERAL INSTRUCTIONS

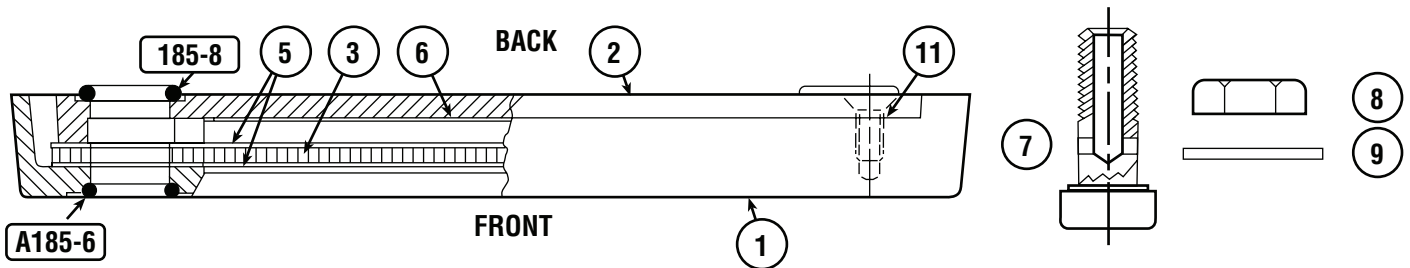
550-2011

Remove all burrs and sharp edges from around the holes, to provide a good o-ring gasket surface. On tapped centers, countersink to maximum thread diameter only. Maintain drilled and tapped holes as nearly at right angles to the mounting surface as possible. **DO NOT SPOTFACE** the surface around the mounting holes, as this decreases o-ring sealing capability. Slight imperfections and irregularities on the gasket surface, will not affect sealing as there is approximately .060 or more of o-ring protruding from the back of the gauge, for compression and sealing between the gauge and reservoir.

**DO NOT OVERTIGHTEN** If proper hole and thread sizes, with the indicated tolerances, are maintained, bolts will fit freely without binding, with insertion by hand. **THIS IS IMPORTANT** for proper sealing without possible excessive strain on the gauge. In tightening the mounting bolts by hand, at the point when the o-ring under the bolt head contacts the gauge window and the o-ring on the back of the gauge contacts the reservoir surface, sealing starts. When further tightening brings the back of the gauge flush with the reservoir and the hex head bolt contacts the gauge body, sealing is complete and requires only light additional tightening to provide a permanent secure mounting. Further excessive tightening serves no useful purpose and excessive torque could crush and damage the gauge. **DRAW MOUNTING BOLTS UP EVENLY DURING INSTALLATION.**

No lock-nuts or lock-washers are provided as they are unnecessary. The force created by compression of the o-rings when installed, provides a friction of the mating threads, the same principle as accomplished by these other locking devices. Care should be exercised to make certain that gauges being installed are of the proper type and model, so that components are compatible with the fluid and operating conditions.

## SPARE PARTS — TYPE 550 SIGHT LEVEL GAUGES • ALL SIZES



### Dimensional Detail

DRAWING PART #	550-3 AND T-550-3	550-5 AND T-550-5	550-7 AND T-550-7	DESCRIPTION	QTY
1, 2	550-3 BODY/BACK	550-5 BODY/BACK	550-7 BODY/BACK	main body frame, back plate	1
3	3-3 GLASS	3-5 GLASS	3-7 GLASS	clear glass window	1
	185-8	185-8	185-8	o-ring	2
5	5-3 SILICONE	5-5 SILICONE	5-7 SILICONE	window cushion gasket	1
6	3 BACKGROUND	5 BACKGROUND	7 BACKGROUND	background	1
6	6-3 BACKGROUND	6-5 BACKGROUND	6-7 BACKGROUND	background temperature	1
7	7 BOLTS	7 BOLTS	7 BOLTS	hollow mounting bolts	2
8	8 JAM NUTS	8 JAM NUTS	8 JAM NUTS	jam nuts	2
9	9 WASHERS	9 WASHERS	9 WASHERS	washer (1-1/16 X 17/32)	2
	A185-6	A185-6	A185-6	o-ring	2
11	11 SCREWS	11 SCREWS	11 SCREWS	black plate screws (10-24 X 1/2 FLAT TCS)	6

### IMPORTANT

In ordering spare parts. Be sure to furnish information on gauge size. Part number and fluid being used in reservoir.