

# SELF-ADJUSTING WEIGH ASSEMBLIES

## WITH LCM501 SERIES LOAD CELL INCLUDED

### STANDARD AND METRIC MODELS

#### TWA5/TWAM5 TWA6/TWAM6

TWA5/TWAM5 (Nickel-Plated Carbon Steel)  
TWA6/TWAM6 (Stainless Steel)  
0-100 lb to 0-20,000 lb  
0-25 kgf to 0-10,000 kgf

**METRIC**  
TWAM5-250, \$560, shown smaller than actual size, includes LCM501-250 load cell. See page F-73 for details.

Starts at  
**\$560**



- ✓ Heavy-Duty Design
- ✓ For Tank and Bin Weighing
- ✓ Self-Adjusting for Accurate Measurements
- ✓ Highly Corrosion-Resistant Materials
- ✓ Shipped Fully Assembled, Including Load Cell
- ✓ 5-Point Calibration Provided
- ✓ 150% Compression Overload
- ✓ Ideal for Multicell Installations

#### SPECIFICATIONS

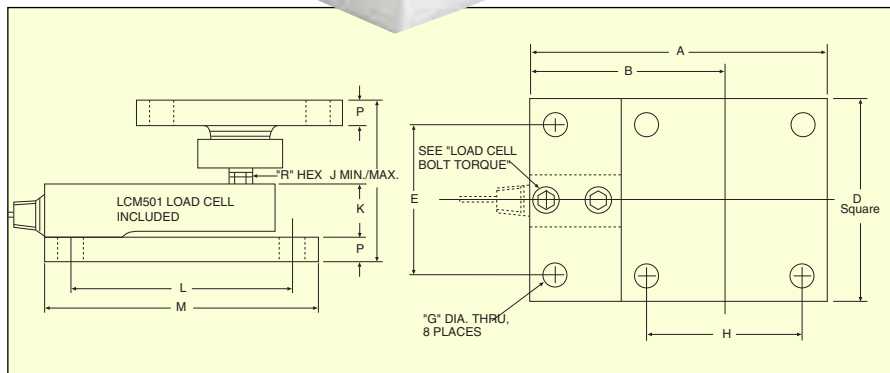
**Non-Parallel Mounting:**  
Self-adjusting for surfaces up to 2°

**Thermal Expansion:**  
Self-adjusting for up to ±1.6 mm

**Height:** Adjustable per dimension "J"

Weight: (Including Load Cell)	Standard Range	kgf (lb)
	100 to 750	4.5 (10)
	1000 to 5000	10.5 (23)
	10,000	11.5 (25)
	20,000	25 (55)
Metric Range	kgf (lb)	
	25 to 250	4.5 (10)
	500 to 2500	10.5 (23)
	5000	11.5 (25)
	10,000	25 (55)

**5-Point Calibration (in Compression):**  
0%, 50%, 100%, 50%, 0%



Dimensions: mm (in)

CAPACITY kgf (lb)	A	B	D	E	G	H	J	K	L	M	P	R	TORQUE N-m (ft-lb)
≤375 (≤750)	146 (5.75)	102 (4.00)	88.9 (3.50)	63.5 (2.50)	13.5 (0.53)	63.5 (2.50)	95.3/102 (3.75/4.00)	25.4 (1.00)	101.6 (4.00)	127 (5.00)	12.7 (0.50)	14.2 (0.56)	30 (22)
500 to 2.5K (1 K to 5K)	222 (8.75)	146 (5.75)	152 (6.00)	114 (4.50)	17.3 (0.68)	114 (4.50)	121/127 (4.75/5.00)	38.1 (1.50)	165.1 (6.50)	203 (8.00)	19 (0.75)	14.2 (0.56)	76 (56)
5K (10K)	248 (9.75)	171 (6.75)	152 (6.00)	114 (4.50)	17.3 (0.68)	114 (4.50)	127/133 (5.00/5.25)	38.1 (1.50)	165.1 (6.50)	203 (8.00)	19 (0.75)	22.4 (88)	245 (180)
10K (20K)	311 (12.3)	216 (8.50)	191 (7.50)	140 (5.50)	20.6 (0.81)	140 (5.50)	184/191 (7.25/7.50)	63.5 (2.50)	203 (8.00)	254 (10.00)	25.4 (1.00)	28.4 (1.12)	245 (180)

# SELF-ADJUSTING WEIGH ASSEMBLIES

MOST POPULAR MODELS HIGHLIGHTED!

## To Order (Specify Model Number)

CAPACITY		WEIGHING ASSEMBLIES WITH LOAD CELL				REPLACEMENT LOAD CELL	
		CARBON STEEL		STAINLESS STEEL			
kgf	lb	MODEL NO.	PRICE	MODEL NO.	PRICE	MODEL NO.	PRICE
<b>STANDARD MODELS</b>							
45	100	TWA5-100	\$560	TWA6-100	\$735	LC501-100	\$340
91	200	TWA5-200	560	TWA6-200	735	LC501-200	340
227	500	TWA5-500	560	TWA6-500	735	LC501-500	340
341	750	TWA5-750	560	TWA6-750	735	LC501-750	340
455	1000	TWA5-1K	615	TWA6-1K	745	LC501-1K	350
909	2000	TWA5-2K	615	TWA6-2K	745	LC501-2K	350
1361	3000	TWA5-3K	615	TWA6-3K	745	LC501-3K	350
2269	5000	TWA5-5K	615	TWA6-5K	745	LC501-5K	350
4537	10,000	TWA5-10K	805	TWA6-10K	970	LC501-10K	695
9074	20,000	TWA5-20K	1055	TWA6-20K	1220	LC501-20K	695
<b>METRIC MODELS</b>							
25	55	TWAM5-25	\$560	TWAM6-25	\$735	LCM501-25	\$340
50	110	TWAM5-50	560	TWAM6-50	735	LCM501-50	340
100	220	TWAM5-100	560	TWAM6-100	735	LCM501-100	340
250	551	TWAM5-250	560	TWAM6-250	735	LCM501-250	340
500	1102	TWAM5-500	615	TWAM6-500	745	LCM501-500	340
1000	2205	TWAM5-1K	615	TWAM6-1K	745	LCM501-1K	350
2500	5512	TWAM5-2.5K	615	TWAM6-2.5K	745	LCM501-2.5K	350
5000	11,023	TWAM5-5K	805	TWAM6-5K	970	LCM501-5K	445
10,000	22,046	TWAM5-10K	1055	TWAM6-10K	1220	LCM501-10K	695

**Note:** Weighing assembly is shipped fully assembled including the load cell. Load cell comes with 5-point NIST-traceable calibration and 59 kΩ shunt data. LC501 series load cell will be installed into the TWA module.

**Ordering Examples:** TWA6-5K, 5000 lb weighing assembly in stainless steel with LC501-5K load cell included, \$745.

TWA5-750, 750 lb weighing assembly in carbon steel with LC501-750 load cell included, \$560.

TWAM6-2.5K, 2500 kgf capacity stainless steel weighing assembly with LCM501-2.5K, load cell (included), \$615.

TWAM5-250, 250 kgf capacity carbon steel weighing assembly with LCM501-250, load cell (included), \$560.

See Section Y for a Selection of Scientific, Technical, and Reference Books Available from [omega.com](http://omega.com)

## COMPATIBLE METERS/CONTROLLERS FOR PX309 SERIES PRESSURE TRANSDUCERS

Starting at \$150, the iSeries is available in 1/2, 1/6, and 1/8 DIN programmable process controllers with serial and embedded Internet/Ethernet communications (Order EI Option CNI16D). The iSeries features programmable color displays, free software and ActiveX Controls, selectable full autotune PID control, and NEMA 4 (IP65) rated front bezel. Ordering Examples: DPiS8, strain/process (monitor only), 1/8 DIN, \$300; CNI8S, strain/process controller with 2 control outputs, \$370. See pages D-7 thru D-21 for the complete selection.





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