

# LTW 5000 TANK WEIGHING ASSEMBLY

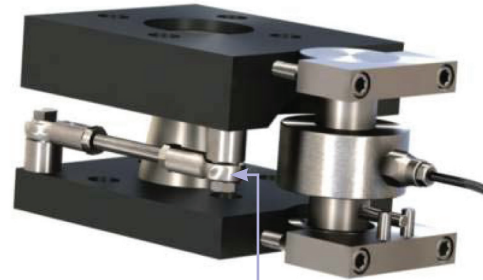
The LTW 5000 is a self aligning weigh module with superior load introduction. The weigh module will be shipped completely pre-assembled, ready for installation by welding or bolting. It is used for tank, bin/hopper weighing, and silo weighing.

- CAPACITIES FROM 5 - 50 TON
- SELF ALIGNING
- HERMETICALLY SEALED LOAD CELL
- INTEGRAL CHECKING
- UPLIFT PROTECTED

## SPECIFICATIONS

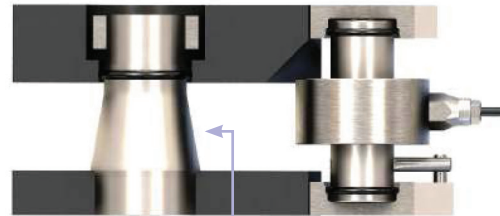
ACCURACY CLASS:	C3
CAPACITIES:	ton5/10/20/30/40/50
FULL SCALE OUTPUT:	(FS)mV/V $2.0\pm 1\%$
CALIBRATION:	$\leq \pm 0.05\%$ mV/V/ $\Omega$
NON-LINEARITY:	$\leq \pm 0.02\%$ FS
HYSTERESIS:	$\leq \pm 0.02\%$ FS
CREEP@30MIN:	$\leq \pm 0.02\%$ FS
ZERO BALANCE:	%FS $\leq \pm 5$
TEMPERATURE EFFECT:	
OUTPUT:	10°C %FS / $\leq \pm 0.01$
ZERO:	10°C %FS / $\leq \pm 0.0187$
TEMPERATURE RANGE:	
COMPENSATED:	°C-10...+40
OPERATING:	°C-10...+65
TERMINAL RESISTANCE:	
INPUT RESISTANCE:	386 $\pm$ 50 $\Omega$
OUTPUT RESISTANCE:	350 $\pm$ 5 $\Omega$
EXCITATION VOLTAGE:	VDC5...15
INSULATION RESISTANCE	
@50 VDC:	$\geq 5000$ M $\Omega$
LOAD CELL ULTIMATE	
LOAD LIMIT:	200% FS
WEIGH POD ULTIMATE	
LOAD LIMIT:	300% FS
MAXIMUM UP LIFT FORCE:	80 klb
MAXIMUM SIDE FORCE:	40 klb
CABLE LENGTH:	30 ft
SEAL TYPE:	IP69
LOAD CELL MATERIAL:	Stainless steel
ASSEMBLY MATERIAL:	Plated steel
LOAD MOUNT WEIGHT:	35 lb

LTW 5000



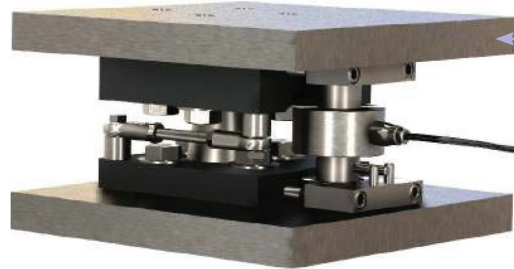
integral check link

Section view



integral uplift and side load stop

Optional mounting plates



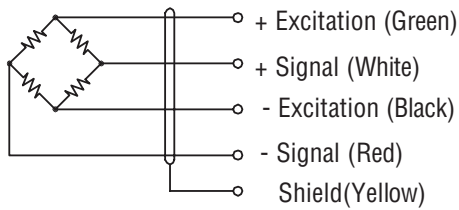
mounting plates

Mounting plate dimensions:

- Length=12in,Width=12in,Thickness=1.25in.
- Total height of assembly with M.Plates=7.25in.

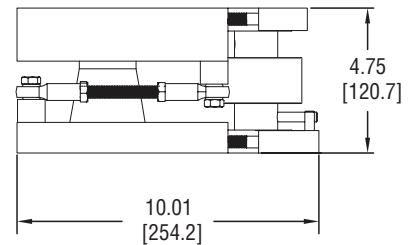
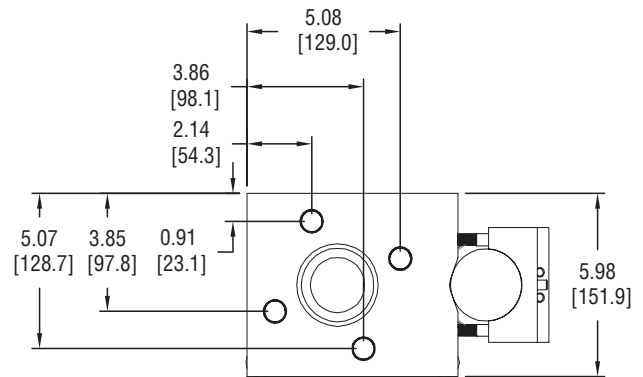
# LTW 5000 TANK WEIGHING ASSEMBLY

## Wiring



Cable: 20 AWG, 4-conductor with shield

## Dimensions



Recommended mounting bolts:  
Grade 8 - 3/4-10 or Grade 10.9-20 mm x 2.5 mm



PART NUMBER	CAPACITY (TON)
LTW 5000-000-00	5
LTW 5000-001-00	10
LTW 5000-002-00	20
LTW 5000-003-00	30
LTW 5000-004-00	40
LTW 5000-005-00	50