

# MT603 Load Cell



## Features

Single Point Load cell  
Capacities from 3 to 50kg  
Made from Air Craft quality Aluminum  
Silicone Sealed  
250mm\* 350mm platform size

## Applications

Retails Scales  
Counting Scales  
Check weighing scales  
Price Computing Scales  
Platform scales

## Specifications

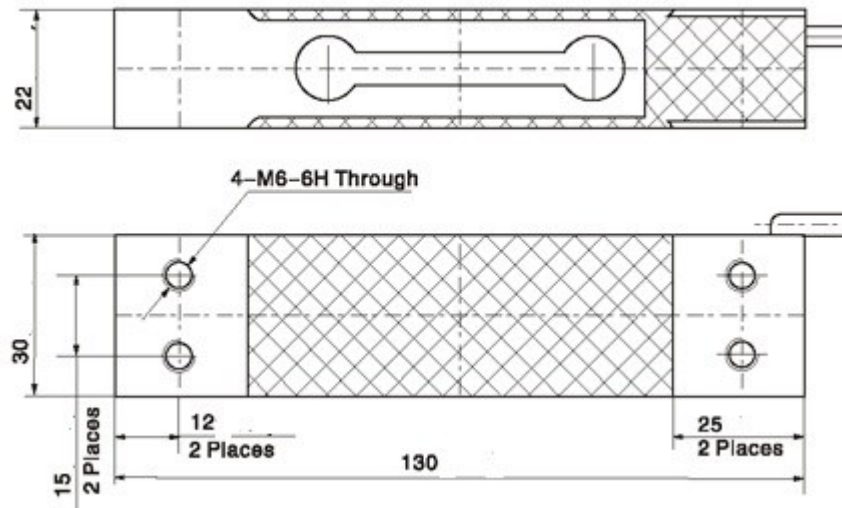
Capacity	Kg	3, 6,10,20,30 , 35 and 50kg
Combined Error	(%FS)	$\leq \pm 0.020$
Creep (30 minutes)	%FS/30min	$\leq \pm 0.024$
Temperature effect on sensitivity	(%FS/10C)	$\leq \pm 0.012$
Temperature effect on zero	(%FS/10C)	$\leq \pm 0.020$
Output sensitivity	(mv/v)	$2.0 \pm 0.2$
Input resistance	( $\Omega$ )	409+/-9
Output resistance	( $\Omega$ )	350+/-3.5
Insulation resistance	(M $\Omega$ )	$\geq 5000$ (50VDC)
Zero balance	(%FS)	2.0
Temperature, Compensated	( $^{\circ}\text{C}$ )	-10 $\sim$ +40
Temperature, Operating	( $^{\circ}\text{C}$ )	-20 $\sim$ +60
Excitation, Recommended	(V)	5 $\sim$ 12(DC)
Excitation, Max	(V)	18(DC)
Safe overload	(%FS)	150
Ultimate overload	(%FS)	300



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## Dimensions (mm)

### Cable

4 Core, 4 mm dia

Cable Length: 40cm

### Color Code

Exc+ Red, Exc- Black

Sig+ Green, Sig- White

Screen- Transparent

Excitation + (Red): Connect to the positive terminal of your 5V power supply.  
Excitation - (Black): Connect to the negative terminal of your 5V power supply (ground).  
Signal + (Green): This is the positive output signal. Connect this to one of the input channels on your oscilloscope.  
Signal - (White): This is the negative output signal. Connect this to the ground of your oscilloscope.

Specifications are subject to change without notice for improvement

MT603EV01-07012012



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