# BTY-MA Self-restoring rocker-pin module

### Description

Capacities: (E<sub>max</sub>) 10,20,30,40,50,60t

Rated output: 2.0mV/V

Digital: 1,000,000d

Accuracy: C3 OIML R60

Material of elastomer: Alloy steel or stainless steel

**Dimensions** 

**Execution standard:** GB/T 7551-1997 Certificate

(eqv OIML R60)

Combined error: 0.015%

Sealed to IEC 529:

Protection grade: IP67 or IP68. Protection against total immersion in water for 30 minutes at a pressure corresponding to a 1 m head of water.

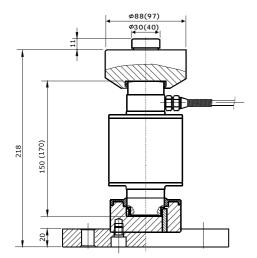
(In mm. 1mm = 0.03937 inches)

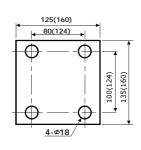
### Circuit Diagram

**Electrical Termination** 4 Core cable standard lengths: <=30t: 12.0 m, >=50t: 18m 

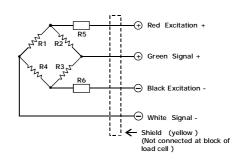
Connection:

Refer to the following drawing:





Note: (\*\*) are for BTY-MA-50~60t



Do not change the length of cable, or lese, it will effect the sensitivity of load cell.

## **Specification**

Item\ Parameter	C3	Unit
Rated load (Emax):	10,20,30,40,50,60	t
Maximal numbers of load cell verification Intervals (NIc):	3000	d
Minimum load cell verification intervals Intervals ( Vmin):	0.01	% of rated load
Rated output (Cn):	2.0±0.1%	mV/V
*Combined error:	0.015	±% of rated output
Temperature effect on sensitivity(Tkc):	0.0012	$\pm\%$ of rated output/ $^{\circ}\!$
Temperature effect on zero balance(Tk0):	0.0008	±% of rated output/℃
Zero balance:	1.0	±% of rated output
Input resistance(Rlc):	775±5	Ω (Ohms)
Output resistance(Ro):	702±2	Ω (Ohms)
Insulation resistance:	≥5000	MΩ (Mega-Ohms)
Safe overload:	150	% of rated capability
Ultimate overload:	300	% of rated capability
Operating temperature range:	-20~+70/-20~+160	℃/℉
Recommend excitation:	8~15	V( DC or AC)
Maximum excitation:	24	V( DC or AC)
Material of elastomer:	Alloy steel / Stainless steel	
Protection class:	IP67/IP68	·

The data for deviation of synthesis error, TKO, TKc are typicI values. The sum of these data meets the requirements according to OIML R60

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