RNT-M Torsional ring module

Description

Capacities: (E_{max})
1,2.2,4.7,10,22,33,47t
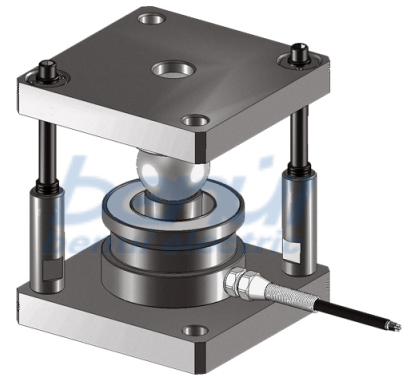
Rated output:
2.0mV/V
Digital:1,000,000d

Accuracy:
C3 OIML R60

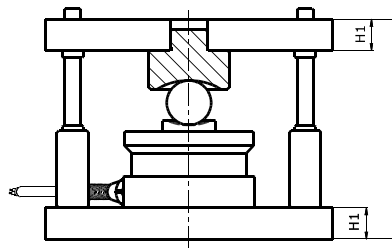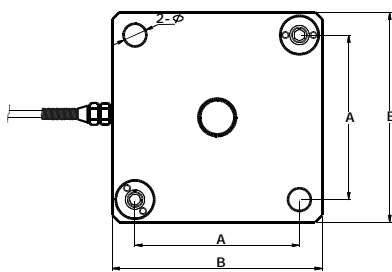**Material of elastomer:**
Alloy steel or stainless steel

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
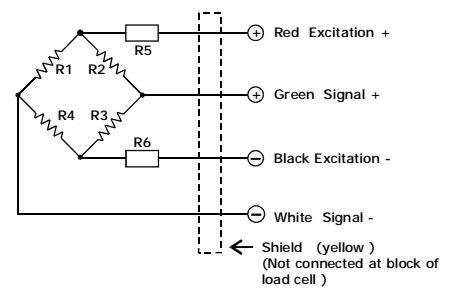corresponding to a 1 m head of water.

Dimensions

(In mm. 1mm = 0.03937 inches)

CAP./SIZE	A	B	H	H1	ϕ
1~4.7t	94	120	114.4	18	13
10~22t	94	120	137.8	18	13
33t	105	130	181.1	22	18
47t	124	160	228.7	22	18

Circuit Diagram

Electrical Termination
4 Core cable standard lengths:
<=15t: 5.0 m, 22~47t: 13m
Diameter: $\phi 6$
Connection:
Refer to the following drawing:

+ Red Excitation +
+ Green Signal +
− Black Excitation -
− White Signal -
Shield (yellow)
(Not connected at block of
load cell)

Notice:
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):	1,2.2,4.7,10,22,33,47	t
Maximal numbers of load cell verification Intervals (Nlc):	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	±% of rated output/℃
Temperature effect on zero balance(Tk0):	0.0008	±% of rated output/℃
Zero balance:	1.0	±% of rated output
Input resistance(Rlc):	775±5/>=33t:1550±10	Ω (Ohms)
Output resistance(Ro):	702±2/>=33t:1402±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:	8~24	V(DC or AC)
Maximum excitation:	48	V(DC or AC)
Material of elastomer:	Alloy steel / Stainless steel	
Protection class:	IP67/IP68	

The data for deviation of synthesis error,TK0,TKc are typicl values. The sum of these
data meets the requirements according to OIML R60

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