

BTY-M Self-restoring rocker-pin module

Description

Capacities: (E_{max})
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

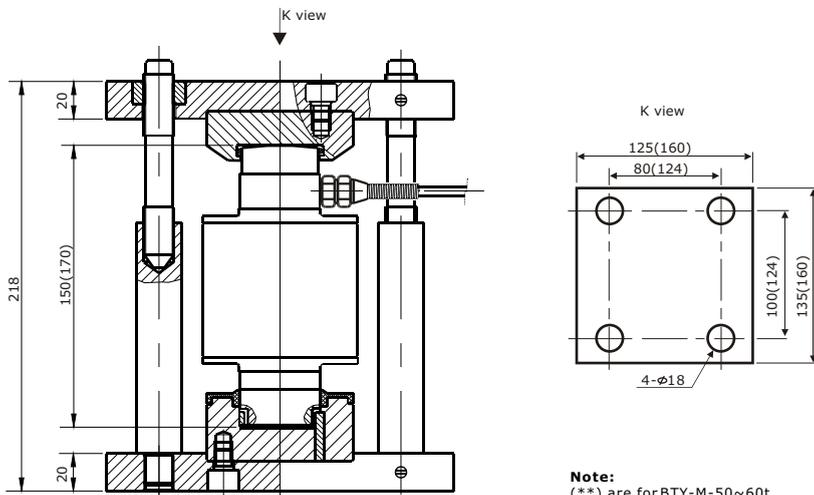
Execution standard:
GB/T 7551-2008 Certificate
(eqv OIML R60)
Combined error: 0.015%

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

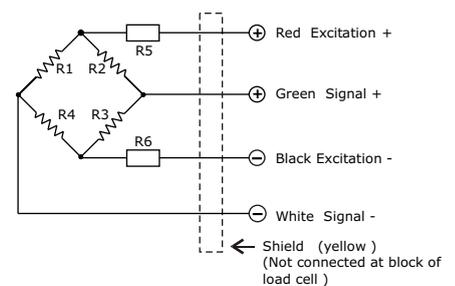
(In mm. 1mm = 0.03937 inches)



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

Circuit Diagram

Electrical Termination
4 Core cable standard lengths:
<=30t: 12.0 m, >=50t: 18m
Diameter: $\phi 6$
Connection:
Refer to the following drawing:



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 (E_{max}): | 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 | ±% of rated output/°C |
| Temperature effect on zero balance(Tk0): | 0.0008 | ±% of rated output/°C |
| Zero balance: | 1.0 | ±% of rated output |
| Input resistance(Ric): | 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 | °C /°F |
| 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,TK0,TKc are typicl values. The sum of these data meets the requirements according to OIML R60

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