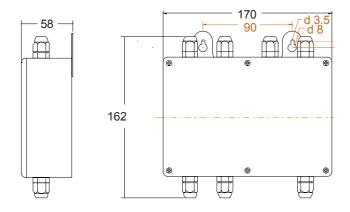


0071 Summing Box - Data Sheet



signal trimming pots for corner balancing

- 6 load cells summing on single unit;
- More load cells can be connected using the built-in linking function;
- High-stability signal trimmed design;
- Up to 2.4% corner-to-corner adjustment range;
- Sealed die-cast metal case;



The 0071 can sum the signals from up to 6 load cells, and will accept load cell impedances' from 150 Ω up to 1,000 Ω with no loss in accuracy.

For installations with more than 6 load cells, the 0071 has a built-in "linking" circuit. This allows simple "daisy-chaining" of multiple 0071 units for any number of additional load cells.

0071-700-200.doc Page 1

Specifications

| Product | | |
|--|---|------------------------------|
| Load Cell Inputs | Single 0071 unit – 6 load cells | |
| | Multiple 0071 units – 5 load cells per linked 0071 and 6 load cells on the last 0071 in series. | |
| Input Resistances | Optimum performance – 150Ω to 1,000Ω per load cell | |
| | Maximum resistance – 2500Ω per load cell | |
| Maximum Excitation | 15 V | |
| Operating Environment | −10 to +50°C ambient | |
| Shipping Weight | 1.25kg | |
| IP Rating | IP55 | |
| Type of adjustment | Signal Trimmed – balanced across all signal paths | |
| Circuit loading | $2{,}500\Omega$ per side | |
| Adjusting component | 25 turn trimming potentiometer (no resistor soldering) | |
| Trimmer isolation | Removable Jumper Link | |
| Initial signal loss | Load Cell Resistance (Ω) | Initial signal reduction (%) |
| (See note **) | 1,000 | 0.23 |
| On insertion of jumper | 700 | 0.16 |
| link signal reduces by | 350 | 0.18 |
| (with trimmer set for maximum signal output) | | |
| Maximum trimming | Load Cell Resistance (Ω) | Max. signal reduction (%) |
| effect | 1,000 | 2.4 |
| (See note **) Span | 700 | 1.7 |
| signal reduction - | 350 | 0.87 |

^{**} Performance figures correspond to typical operating conditions. Results in service may vary slightly due to unknown external conditions

Stock Codes:

0071 Summing Box 6 L/C Input

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Australian Sales Office – Rinstrum 41 Success Street, Acacia Ridge Queensland 4110 Australia Phone +61 7 3216 7166 Fax +61 7 3216 6211 Email: sales@rinstrum.com European Sales Office - Rinstrum Europe GmbH
Donnersbergring 14 – 18
64295 Darmstadt
Phone: +49 (0) 6151-13617-0
Fax: +49 (0) 6151-13617-29
Email: info@rinstrum.de

0071-700-200.doc Page 2

Specifications are subject to variation for improvement, without notice Illustrations are indications only and variation may be evident between products