

# Junction Boxes – Data Sheet



- Summing Multiple Loadcells
- Wide Range of Connector options
- Environment protection with IP ratings
- Used for Platform Scales, Weighbridges and Hopper Scales





Rinstrum offers a variety of junction boxes and connections to assist in the wiring and connectivity of loadcells to an indicator. Choose the Junction box to match your application from,

- Fixed M12 Junctions
- 4 Way Signal Adjust Summing Boxes
- 6 Way Signal Adjust Summing Boxes
- 6 Way plus Expansion Signal Adjust Summing Box

These are made for different environment conditions. Enclosures are made with metal or polymer to suit different conditions. Connections are ranging from different cable glands to M12 fix connections.

Rinstrum junction boxes features trimming options for equalizing the input from multiple load cells. The 0071 Junction Box can daisy chain several together to increase number of loadcells connected to suite your application.

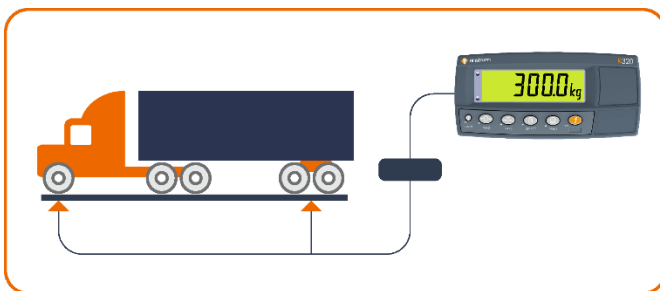
You can be assured of rugged build quality, reliability and ease of use.

4 Way Signal Adjust Summing Boxes		
	0075 IP65, Polymer Junction Box	Five holes with 5 x PG7 Polymer Glands Signal trimming
	0075-M12 IP65, Polymer Junction Box with M12 fly leads	Plastic and dust proof with Signal trimming Fitted with 4 x female M12 flying pig tails and 1 x male M12 pig tail home run connection
	0076 IP65, Stainless steel Junction Box	Five holes with 5 x PG7 Polymer Glands Signal trimming
	0078 IP68, Stainless steel Junction Box	Five holes with 5 x PG7 Polymer Glands Signal trimming

6 Way Signal Adjust Summing Boxes		
	0077 IP65, Stainless steel Junction Box	Seven holes with 7 x PG9 Polymer Glands Signal trimming
	0077-M12 IP65 Stainless steel Junction Box with M12 fly leads	Signal Trimming Fitted with 6 x female M12 flying pig tails and 1 x male M12 pig tail home run connection
6 Way plus Expansion Signal Adjust Summing Box		
	0071 IP55, Aluminium Junction Box	Seven holes with 7 Polymer Glands For installations with more than 6 load cells Built-in "linking" circuit allows simple "daisy-chaining"
Fixed M12 Junctions		
	MC5JM2 Y Cable 5Pin M-F+F Shielded	Y cable M12 male bulkhead connector to two M12 female for connecting two loadcells into one home run
	MC5JM3 Y Cable 5Pin M-F+F Shielded	Y cable M12 male in line connector to two M12 female for connecting two loadcells into one home run
	MC5JM4 4 Load Cell Junction - IP68+/4-way junction box	4 x M12 female connections and 200mm Male M12 home run cable, no signal or excitation adjustment Use MCOE2 caps

## Smart Weighing








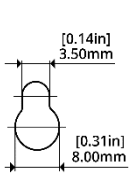
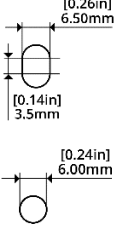
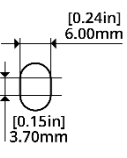
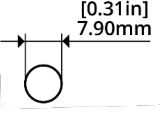
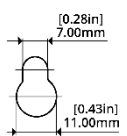
Get a single accurate output from multiple Loadcells with signal trimming...






Rinstrum Junction boxes feature signal trimming to equalize the input from multiple loadcell and output an accurate signal to the indicator. Signal trimming is used with multi loadcell applications such as Platform Scales, Weighbridges, bin weighing and tank weighing etc.

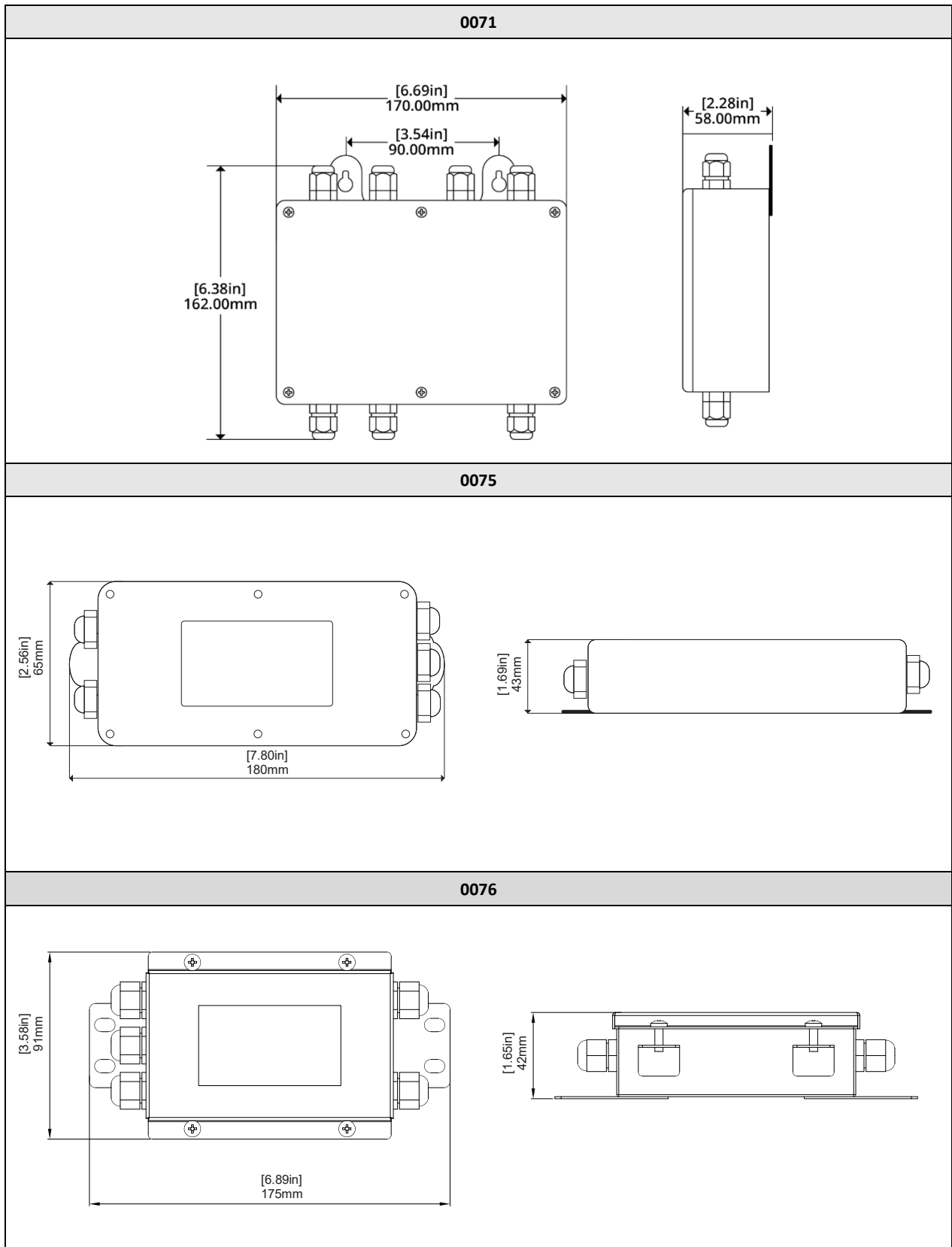
*... now that's smart weighing!*

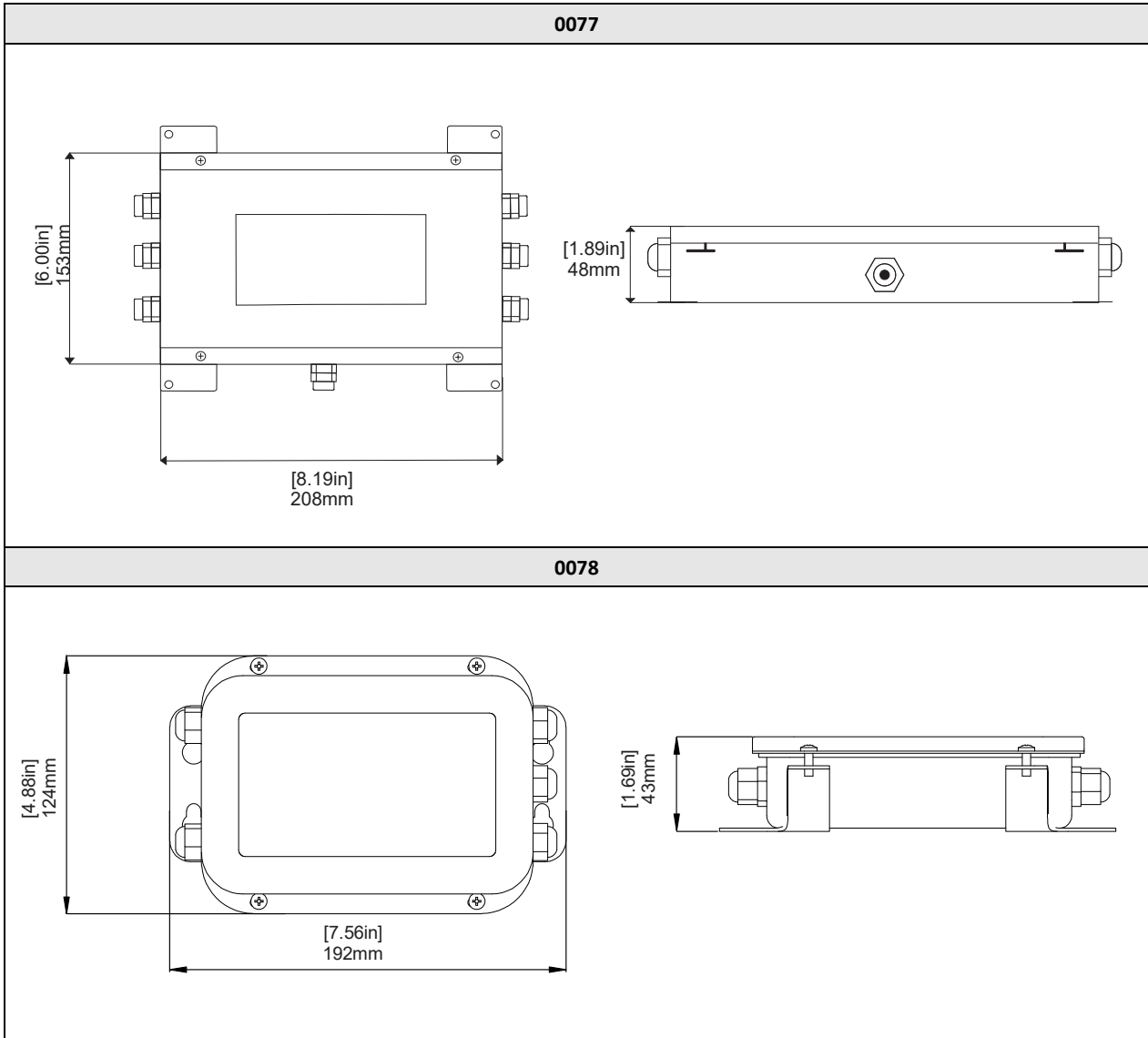
## Specifications

	0071	0075	0076	0077	0078
					
<b>No of Load Cells</b>	6 (Extendable)	4	4	6	4
<b>Signal Trimming</b>	Yes	Yes	Yes	Yes	Yes
<b>Trim Potentiometers per Load Cell</b>	1	1	1	1	1
<b>Connector Type</b>	7-way terminal strip (6-Wire Connection)	5-way terminal strip (4-Wire Connection)	5-way terminal strip (4-Wire Connection)	7-way terminal strip (5-Wire Connection)	5-way terminal strip (4-Wire Connection)
	-	M12 (0075-M12) 	--	M12 (0077-M12) 	--
<b>Shell Material</b>	Cast Metal	Polymer	Stainless Steel	Stainless Steel	Stainless Steel
<b>Connections</b>	6 x PG7, 1 x PG9 Polymer Glands	5 x PG7 Polymer Glands	5 x PG7 Polymer Glands	7 x PG9 Polymer Glands	5 x PG7 Polymer Glands
<b>Environmental protection</b>	IP55	IP65	IP65	IP65	IP68
<b>Dimensions</b>	208x 153x48mm (8.19x6.00 x1.89in)	180 x 65 x 43mm (7.08 x 2.56 x1.69in)	175 x91 x42mm (6.89 x3.58 x1.65in)	208 x 153 x 48mm (8.19 x6.00 x1.89in)	192 x124 x43mm (7.56 x 4.88 x1.69in)
<b>Mounting Holes</b>					

	MC5JM2	MC5JM3	MC5JM4
			
<b>Connector Type</b>	M12	M12	M12
<b>Connector to Indicator</b>	1	1	1
<b>Connector to Loadcell</b>	2	2	2
<b>Environmental protection</b>	IP67	IP67	IP68

## Dimensions





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