



### DESCRIPTION

The HPC (High Precision Compression) is a state of the art measurement device. Its highly sophisticated and super sensitive electronics are housed in a rugged fully stainless steel enclosure. Fitted with power surge arrestors, anti-rotation mechanism and inert gas filled for component longevity, the HPC provides for a true IP-68 enclosure rating with greater than 300 hours protection at 1.5m immersion.

Purpose designed to meet the needs of the weighbridge and truck scale manufacturer, the cell is supplied in two optimum weighbridge cell capacities of 30t and 45t.

The HPC is trade approved in Australia for both capacities - NMI Certificate of Approval No. S412.

### FEATURES

- Welded Stainless Steel Enclosure
- Anti-Rotation Fitted Standard
- Smart Technology Single Column Design
- 6-Core Braided Heavy Duty Cable
- Power Surge Protected

### APPLICATIONS

- Road Weighbridges
- Rail Weighbridges



### TECHNICAL DATA

Nominal Capacity	30t and 45t
Signal Output at Capacity	2mV/V $\pm$ 0.1%
Linearity Error	<0.020% FSO
Non-Repeatability	<0.010% FSO
Combined Error	<0.023% FSO
Hysteresis	<0.017% FSO
Creep/Zero Return (30 mins)	<0.023% / 0.017% FSO
Zero Balance	<1.000% Capacity
Temperature Effect on Span/10°C	<0.010% FSO
Temperature Effect on Zero/10°C	<0.015% Capacity
Compensated Temperature Range	-10°C to +50°C
Operating Temperature Range	-30°C to +65°C
Service Load	100% of Rated Capacity
Safe Load	150% of Rated Capacity

Ultimate Load	300% of Rated Capacity
Input Resistance	750 $\Omega$ $\pm$ 10 $\Omega$
Output Resistance	704 $\Omega$ Matched $\pm$ 0.2 $\Omega$
Insulation Resistance (Bridge to Ground)	>5,000M $\Omega$ @ 100VDC
Excitation Voltage (Recommended)	5V to 18V AC/DC
Excitation Voltage (Maximum)	20V AC/DC
Tilt (Maximum Transverse Displacement)	15mm
Power Surge Arrestor	Fitted as Standard
Storage Temperature Range	-50°C to +65°C
Net Weigh	3.75kg
Material	Stainless Steel

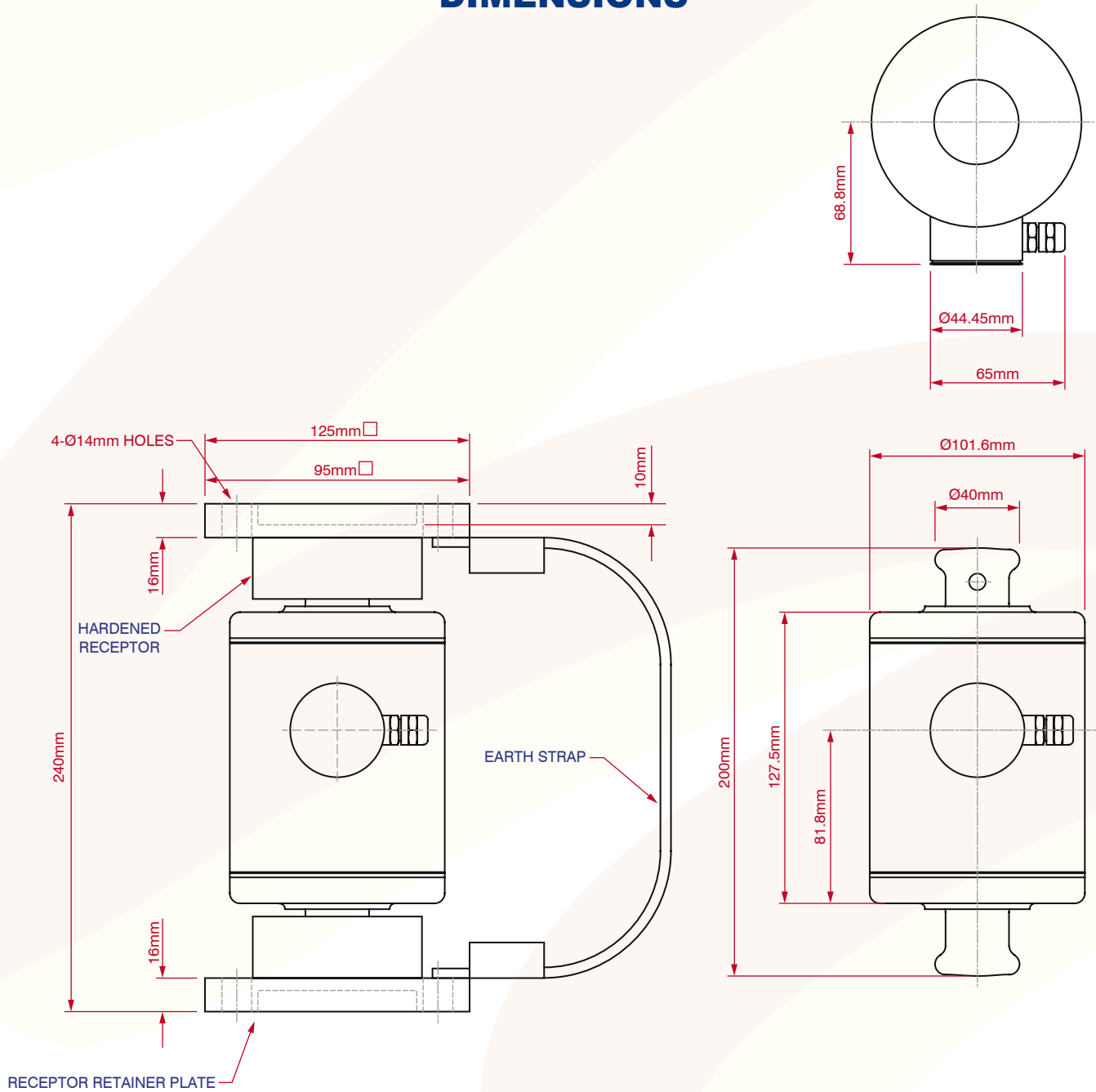
# CABLE

COLOUR	DESIGNATION
Red	+ Excitation
Black	- Excitation
Brown	+ Sense
Blue	- Sense
Green	+ Signal
White	- Signal

Type: 7.5mm, Braid Screen, PUR Sheath,  
6 Core x 0.24mm<sup>2</sup> (24 AWG)

Length: 12m

# DIMENSIONS



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