



HPC Compression

Description

(30t & 45t Stainless IP68) Weighbridge.

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 IP68 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.

To ensure the exceptional performance of the HPC is optimised, PT offer specially designed mounting accessories.

The HPC has formal approval in many countries for both capacities. It has a three-year warranty and is supplied individually packed with a detailed accuracy certificate traceable by serial number.

SPECIFICATIONS

Nominal Capacity 30t and 45t	Ultimate Load 300% of Rated Capacity
Signal output at capacity 2mV/V \pm 0.1%	Input Resistance 750 Ω \pm 10 Ω
Linearity Error < 0.020% FSO	Output Resistance 704 Ω Matched \pm 0.2 Ω
Non-Repeatability < 0.010% FSO	Insulation Resistance > 5000 M Ω at 100V DC
Combined Error < 0.023% FSO	(bdg to grd) 5 ~ 18V AC/DC
Hysteresis < 0.017% FSO	Excitation Voltage (Rec) 20V AC/DC
Creep/Zero Return(30 < 0.023% / 0.017% mins) FSO	Excitation Voltage (Max) 15mm
Zero Balance < 1.000% Capacity	Tilt (Max. Transverse Fitted as standard
Temperature Effect < 0.010% FSO	Displ -50 ~ 65°C
On Span/10°C < 0.015% FSO	Power Surge Arrestors 7.5mm, Braid Screen,
Temperature Effect on -10 ~ 50°C	Storage Temperature PUR sheath
Zero/10°C -30 ~ 65°C	Range 6 Core x 0.24mm ² (24
Compensated 100% of Rated	Cable Type AWG)
Temperature Range Capacity	. 12 Metres
Operating Temperature 150% of Rated	Cable Length 3.75kg
Range Capacity	Net Weight Stainless Steel
Service Load RED	Material BLACK
Safe Load GREEN	Excitation -ve WHITE
Excitation +ve BROWN	Signal -ve BLUE
Signal +ve	Sense -ve
Sense +ve	