

Fluid Damped Single Point Load Cell



FEATURES

- Capacities 2 - 50kg
- Coated steel or stainless steel construction
- IP66 protection
- 6 wire (sense) circuit
- Suitable for most wash-down applications
- OIML R60 and NTEP approved
- Maximum platform size 400 x 400mm

Model 240 is specifically designed to be used where fast acquisition of a stable load signal is paramount. The model 240's unique fluid damping system allows the load cell to be used in applications that previously required the use of LVDT's or similar types of measuring devices.

The model 240 brings load cell adaptability into check weighing and grading applications.

Approved to OIML R60 and NTEP standards, sealed to IP66 level and available in coated steel or stainless steel, the model 240 is suitable for most wash-down applications.

The two additional sense wires feed back the voltage reaching the load cell. Complete compensation of changes in lead resistance due to temperature change and/or cable extension, is achieved by feeding this voltage into the appropriate electronics.

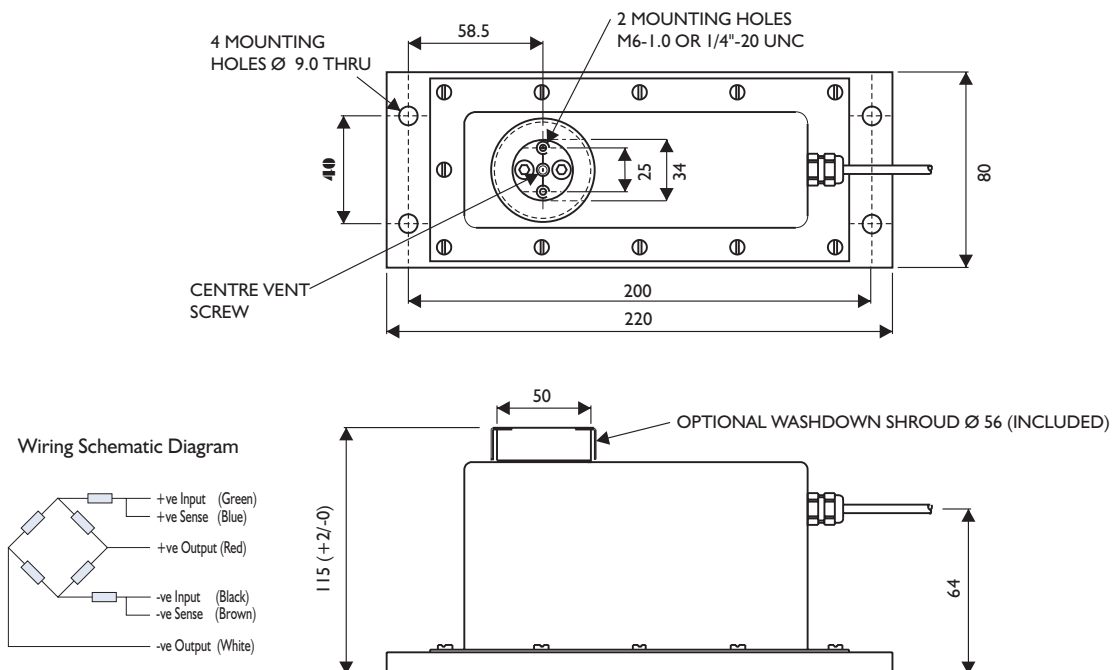
SPECIFICATIONS				
GRADE	HSW		C3**	UNITS
Rated Capacities	2, 3, 5	7, 10, 15, 20, 30, 50	5, 7, 10, 15, 20, 30, 50	kg
Rated Output	2.0 ± 10%			mV/V
Total Error*	0.050	0.025	0.020	± % of applied load
Zero Return after 30 mins	0.075	0.050	0.017	± % of applied load
Temperature Effect: On Output On Zero	N/A	N/A	0.0010	± % of applied load/°C
	N/A	N/A	0.0028	± % of rated output/°C
Eccentric Loading	N/A	N/A	0.015	± % of rated output
Zero Balance	5.0			± % of rated output
Temperature Range: Operating Compensated	- 30 to + 70			°C
	- 10 to + 40			°C
Safe Overload	150‡			% of rated output
Ultimate Overload	300			% of rated output
Excitation: Recommended Maximum	10			Volts AC or DC
	15			Volts AC or DC
Input Impedance	415 ± 15			Ohms
Output Impedance	350 ± 3			Ohms
Insulation Impedance	> 1000			MegaOhms
Deflection at Rated Capacity	< 0.4			mm
Weight (including cables)	3.7			kg
Construction	Coated steel or stainless steel			
Environmental Protection	IP66			
Cable	3 meters (standard), 6 wire, polyurethane jacket, dual floating screen			

*Total Error - According to OIML R60

**Standard 60% utilization - lower utilization factors available on request

‡This allowance is for accidental overload and should not be incorporated into the working range of the product

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DIMENSIONS in millimeters**VISHAY TRANSDUCERS (VT) - SALES OFFICE Denmark****Nordic Transducer**

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