VISHAY PRECISION GROUP

Model CCC

Vishay Revere

Compression Load Cell

FM

FEATURES

- Capacities: 10 to 50Klbs
- Environmental protection: IP68 (DIN 40.050)
- Material: Stainless Steel
- Hermetically sealed

OPTIONAL FEATURES

- Special mounts are available upon request
- FM approved for use in potentially explosive atmosphere

DESCRIPTION

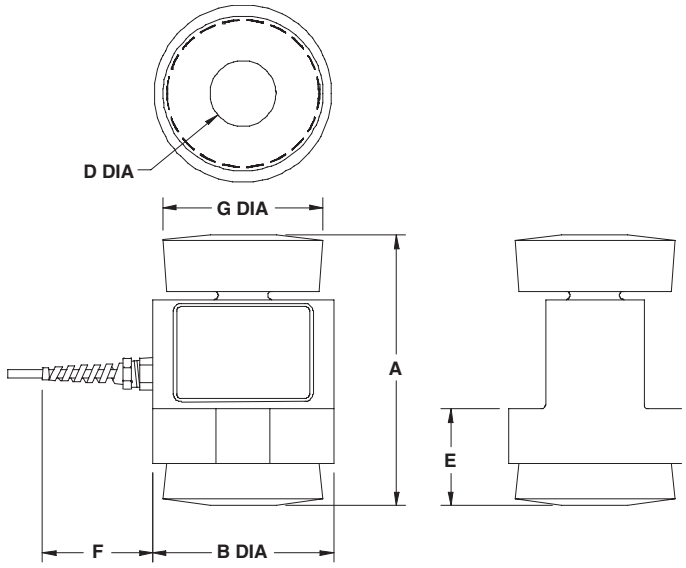
The CCC canister is a low profile design specifically for low capacity small platforms and applications where space is limited or special mounting required.

Hermetic sealing offers excellent protection from moisture and provides longterm stability and reliability.

APPLICATIONS

- On-board weighing
- Platform scales
- Agricultural applications

OUTLINE DIMENSIONS in inches



Cable specifications:

Cable length:	9.1m (30ft)
Excitation +	Red
Excitation -	Black
Output +	Green
Output -	White
Shield	Transparent

Cable screen is not connected to load cell body

Capacity	10K - 50K
A	4.25
ØB	2.75
D	1.00
E	1.52
F	1.50
G	2.62

Model CCC

Vishay Revere Compression Load Cell

VISHAY PRECISION GROUP

SPECIFICATIONS

PARAMETER	VALUE	UNIT
Standard capacities (E_{max})	10K, 20K, 30K, 50K	lbs
Maximum no. of verfication intervals (n)		
Rated output (=S)	3	mV/V
Rated output tolerance	0.003	±mV/V
Zero balance	1.0	±% FSO
Combined error	0.0300	±% FSO
Creep error (20 minutes)	0.0300	±% applied load
Temperature effect on zero	0.0135 (0.0015)	±% FSO/5°C (/°F)
Temperature effect on output	0.0072 (0.0008)	±% applied load/5°C (/°F)
Compensated temperature range	-10 to +40 (+14 to +104)	°C (°F)
Operating temperature range	-53 to +93 (-65 to +200)	°C (°F)
Safe load limit	150	$\%E_{max}$
Ultimate load	300	$\%E_{max}$
Safe side load limit	10	$\%E_{max}$
Excitation voltage recommended	10	V
Excitation voltage maximum	15	V
Input resistance	700±7	Ω
Output resistance	700±7	Ω
Insulation resistance	≥5000	MΩ
Environmental protection	IP68	
Element material	Stainless steel	ASTM

FSO-Full Scale Output

Mounting:
Correct mounting of the load cells is essential to ensure optimum accuracy and performance. Further information is available upon request.