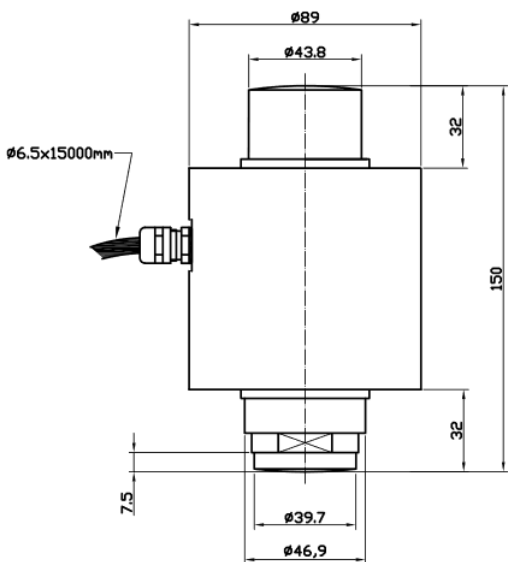


Compression Load Cell

Compression load cell to be integrated into weighbridges or tank weigh module systems subjected to big forces



model **AS-PA**

General Properties

- capacity 30 tons
- up to 4000 parts OIML-R60
- precision class C3-C4
- fully welded; protected against humidity, IP-69K (EN 60529: 2018)
- entirely manufactured of stainless steel
- with gas dischargers to protect against atmospheric discharges
- no bell bearing support required
- sensitivity $2 \pm 0.1\%$ mV / V
- V_{min} Emax / 14000
- supply voltage $5 \div 15$ V.
- input resistance $800 \pm 5 \Omega$
- output resistance $700 \pm 3 \Omega$
- operating temperature $-10^{\circ}\text{C} / +40^{\circ}\text{C}$
- max. storage temperature $-40^{\circ}\text{C} / +80^{\circ}\text{C}$
- insulation resistance $> 5000 \text{ M}\Omega$
- cable with metal metal protective jacket optionally available

Technical Data

PARAMETER	UNIT	VALUE	
		AS-CLA	AS-CLD
Version		analog	digital
Sensitivity	mV/V	$2 \pm 0.1\%$ mV/V	
Vmin	$\pm$ mV/V	Emax/10000	
Nominal temperature range	$^{\circ}\text{C}$	$-10^{\circ}\text{C}/+40^{\circ}\text{C}$	
Temperature limits	$^{\circ}\text{C}$	$-40^{\circ}\text{C}/+70^{\circ}\text{C}$	
Max. Safe Static Overload (central loading)	% of R.C.		
Excitation tension	V	$5 \div 15 \text{ V} \mid 8 \div 15 \text{ V}$	
Current consumption	mA	25	35
Input impedance	Ohm	$800 \pm 3 \Omega$	
Output impedance	Ohm	$700 \pm 3 \Omega$	
Insulation resistance	MOhm	$5000 \text{ M}\Omega$	
Internal resolution	bits	-	24
Transmission speed (max.)	kHz	-	100
Construction		Stainless steel	

Wiring diagram version AS-CLA (colors)

