

miniature button load cell (compression)

S_FCCK SERIES

s_FCCK miniature compression load cell series generalities

s_FCCK series is a compression miniature load cell, with low profile, suitable for limited free space applications, available with ranges from 50 N up to 1 kN.

The s_FCCK load cell is based on stainless steel "button" body sensor spring, on which is applied a full Weathstone strain gauge bridge.

Each unit is provided with its factory traceable (to Chinese National Metrological Network), calibration certificate.

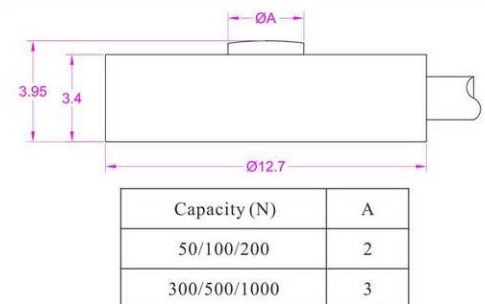


s_FCCK miniature compression load cell series main characteristics:

- several measuring ranges are available within the s_FCCK series;
- stainless steel construction, good overall accuracy, cost effective;
- strain gauge based technology, high output resistance, lower self heating;
- suitable for clamps, automotive, medical devices, assembly lines, etc.

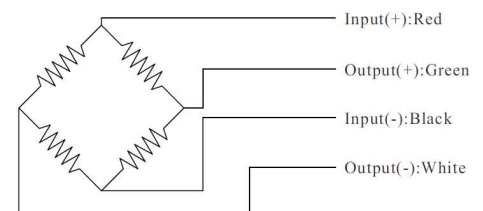
s_FCCK miniature compression load cell series specifications:

- available ranges:	50, 100, 200, 300, 500, 1'000 N;
- rated output:	1.0 to 1.5 mV / V;
- excitation:	from 3 to 12 Vdc (maximum);
- zero balance:	±0.1 mV / V;
- linearity error:	±1 % R.O.;
- hysteresis:	±1 % R.O.;
- non repeatability:	±0.5 % R.O.;
- creep (30 min):	±0.5 % R.O.;
- safe overload:	150 % F.S.;
- ultimate overload:	200 % F.S.;
- compensated temperature:	-10 to +40 °C;
- operating temperature:	-20 to +60 °C;
- temperature shift (zero):	±0.05 % R.O. / °C;
- temperature shift (span):	±0.01 % R.O. / °C;
- input bridge resistance:	>700 ohms;
- output bridge resistance:	>700 ohms;
- insulation resistance:	> 2000 Mohms (50 V);
- ingress protection:	IP65;
- body material:	stainless steel;
- electrical connection:	four cores integral cable (Ø 1.2 mm, 4000 mm length);



quoted dimensions are in mm

Wiring Diagram



s_FCCK miniature compression load cell series manufacturer:

s_FCCK load cell series manufacturer is a Chinese growing company consolidating its European, North and South Americas markets, capable of design and manufacturing of several strain gauges based sensors, like miniature and button shaped load cells, static and rotating torque sensors. All the products (starting from strain gauges, elastic bodies, and finished products), are duly submitted to the production end quality controls. Custom design of force and torque based sensors is also welcome.