PFS ///

PFS Automotive & Ergonomic Metrology

PFS-SIM Configuration Request Brief

Revision 1 · 2 November 2026 · inquiry@pedalforcesensor.com

> **Planning targets, not a released manufacturing datasheet.** No validated performance, stock, certification or approved interchangeability is established by this document.

F1 & Pro Sim Racing Brake Load Cells

Specify a stiff force-sensing module for hydraulic or elastomer brake pedals, matched to your pedal ratio and controller.

Request code	Nominal selection	Architecture
PFS-SIM-100KG	100 kgf / 980.67 N	Fz; Hydraulic / elastomer integration
PFS-SIM-150KG	150 kgf / 1,471.00 N	Fz; Hydraulic / elastomer integration
PFS-SIM-200KG	200 kgf / 1,961.33 N	Fz; Hydraulic / elastomer integration

Envelope and mounting request

100 / 150 / 200 kgf sensor-force requests correspond to about 981 / 1,471 / 1,961 N.

Provide pedal ratio, load direction, hard-stop geometry, elastomer stroke and hydraulic layout.

Signal chain and acceptance evidence

Request bridge output, conditioned 0–5V, or a compatible USB HID controller. Specify pinout, excitation and calibration mapping.

Agree on force-time history, cycle count, drift, proof loading and service life before an OEM release.

Include with the RFQ

1. State whether capacity is measured at the sensor or at the pedal pad.
2. Provide pedal ratio, elastomer stroke and mechanical stop position.
3. Specify bridge output, conditioned 0–5V or USB HID controller requirements.
4. Connector gender / key / pin view, cable length, supply, output and receiving instrument.
5. Quantity, destination, target delivery, drawing revision and calibration requirements.

Documents to obtain before design release

Approved dimensioned PFS drawing / STEP, pin schedule, configured signal map, serial-specific calibration and agreed acceptance evidence are not included here. Request them for the exact configuration at inquiry@pedalforcesensor.com.
