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PFS Automotive & Ergonomic Metrology

PFS-KIT Configuration Request Brief

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

Pedal Force + Travel Test Kits

Record pedal force and pedal displacement on a common timebase to compare stiffness, free play and loading/unloading behavior.

Request code	Nominal selection	Architecture
PFS-KIT-1500N	Force 0–1,500 N; travel 0–200 mm	Fz + travel; Portable force + travel kit
PFS-KIT-CAN	Force 0–1,500 N; travel 0–200 mm	Fz + travel; Force + travel, CAN integration request
PFS-KIT-USB	Force 0–1,500 N; travel 0–200 mm	Fz + travel; Force + travel, USB logging request

Envelope and mounting request

Request force 0–1,500 N and draw-wire travel 0–200 mm; validate the installed displacement geometry.

One force plate, one anchored displacement sensor and restrained cables. Record anchor coordinates and the unloaded reference.

Signal chain and acceptance evidence

Two synchronized measurement channels; request common clock, sample rate, latency, trigger, filtering and raw CSV export.

Quote sensor, mounting, displacement channel, logger, power, cable set and system calibration as explicit line items.

Include with the RFQ

1. Define the travel reference point and the draw-wire line of action.
2. Require synchronized sampling, channel latency and trigger documentation.
3. Request engineering units, raw CSV export and loading/unloading curves.
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.
