PFS ///

PFS Automotive & Ergonomic Metrology

PFS-COCKPIT 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.

Handbrake & Gear-Shift Force Sensors

Request articulated handbrake and gear-shift force fixtures for vehicle ergonomics and cockpit test programs.

Request code	Nominal selection	Architecture
PFS-HB-1000N	500 / 1,000 N requested range	Pull; Articulated lever fixture
PFS-GS-500N	500 N nominal; 100–1,000 N custom review	Push / pull; Shift-knob fixture

Envelope and mounting request

Handbrake: 500 / 1,000 N requested range. Gear shift: 500 N nominal; other ranges reviewed individually.

Request an articulated handbrake fixture or shift-knob adapter. Provide the lever, knob thread and permitted added mass.

Signal chain and acceptance evidence

Tension / compression or multi-component architecture follows the fixture. Quote signal conditioning and channels separately.

Define pull / push directions, grip location, stroke, repeated cycles and fixture friction before calibration.

Include with the RFQ

1. Provide grip location, force direction and lever geometry.
2. Specify knob thread / adapter and allowed added mass.
3. Define channels, cycle count and installed calibration.
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.
