Skirt measurement record

Pair CM_FL_W0 / CM_FL_W1 · Session and leakage at fixed positions

Session and specimen

Session / date / time

Operator

Cassette and pair ID

Fixture and model revision / SHA

Seal batch / condition

Cable routing, drive, brake / corner boundary

Photo / setup drawing

Sensor IDs and calibration certificates / reference

Shared clock / sample rates, Hz

Zero before / after and uncertainty / attachment

Approved conditions / reference

L · Leakage record

Δq = qW1 − qW0. Extension is positive downwards. Δp = pambient − pchamber.

Mid-stroke reference values of Δq are 0 / +4.375 / −4.375 mm. These are test positions.

RUN_PLAN row ID / replicate no.

Temperature, °C / ambient p, Pa abs.

Averaging window, s

Flow unit and reference temperature / pressure

Reference leak ID

Reading	qW0, mm	qW1, mm	Δp, Pa	Flow Q	Series ID / time
Blank before					
Specimen					
Blank after					

At matched Δp and flow reference conditions, Qspecimen = Qtotal − Qblank.

Applied blank Q / ID

Specimen Q / unit

Expanded uncertainty / k

Use one sheet for one position, one Δp and one replicate. Copy for the next replicate.

Deployment and cable holding

Pair CM_FL_W0 / CM_FL_W1 · One series and one replicate per copy

Session ID / date

RUN_PLAN row / run ID / replicate

Active channel

F · Deployment force

Initial qW0 / qW1, mm

Cable / assistance state

Dwell, s

Breakaway, N

Peak sliding force, N

Sign / direction of travel

Assistance / resistance, N

Margin, N / uncertainty, N / k

H · Holding

Load, N / state / fault ID

Fault / response / arrest times, s

Channel	Excursion, mm	Drift, mm	Creep, mm/s	Tmin / Tmax, N	Spool, °
W0					
W1					

Catcher event / time, s

Recovery / observations

Source files and outcome

Raw CSV / SHA-256 or hashed attachment reference

Synchronized photo / video ID

Run status / reason for interruption

Outcome / criteria reference

Operator / signature / date

Reviewed by / signature / date

Transfer the record to MEASUREMENT_INTAKE.json. TIMESERIES_TEMPLATE.csv defines raw channels.