Put the process trace **next to the experiment**

UNCOUNTABLE DATA HISTORIAN

Uncountable brings process signals from your plant historian or control system into the Manufacturing Suite and ties them to the equipment, experiments and lab requests they explain. When a batch goes off spec, your team reads the trace beside the result and each run step, instead of exporting both and lining them up by hand.

CONNECT

An integration job sends new values from your historian, control system or data logger, on a schedule or when an event arrives.

BIND

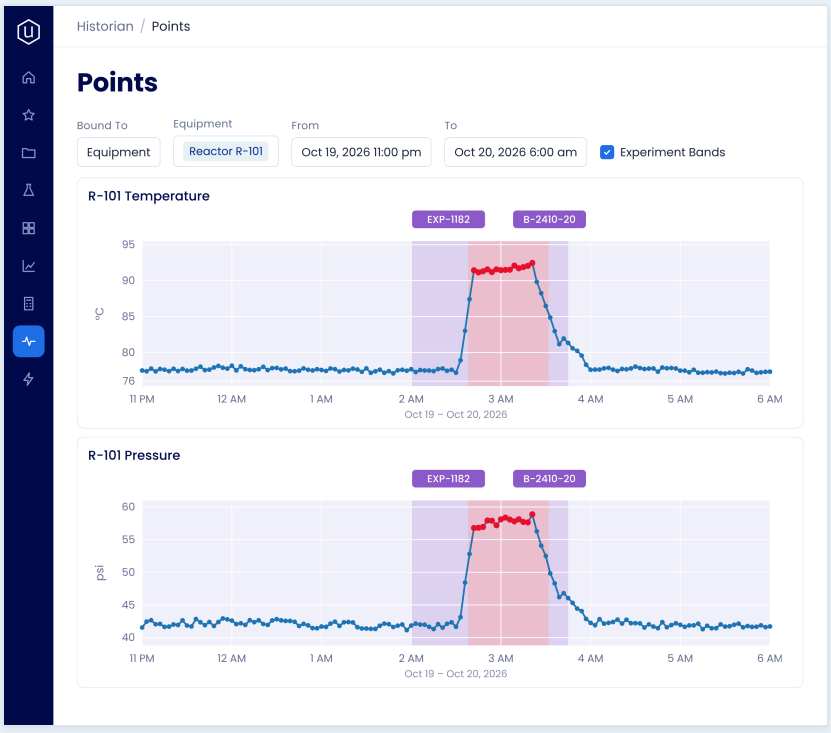
Each signal is bound to a reactor, an experiment or a lab request for its time window, and the binding stays as written.

REVIEW

Scientists read several signals at the same moment, with each experiment and workflow step shown over the trace.

IN THE PLATFORM

Two signals, one batch, one time axis



Points for Reactor R-101 in Uncountable. Experiment EXP-1182 and batch B-2410-20 are banded over temperature and pressure, and red points broke a run rule (demo data).

> *"As we grow and expand our manufacturing capabilities, Uncountable will continue to play a critical role in managing our increased volume of complex experimental data and processes."*
>
> Marie Herring, Engineering Manager, Mitra Chem

THE UNCOUNTABLE PLATFORM

Research & Development · Quality · Product Lifecycle · Regulatory Management · Project Portfolio Management · Manufacturing

Uncountable's AI-native end-to-end platform is deployed by 175+ product development teams.

DuPont · SunChemical · Jika · Clariant · Mondelēz International · Beiersdorf

WHY IT MATTERS

Every investigation starts with an export

A batch comes back off spec, or a scale-up run behaves differently from the lab run. The temperature trend sits in the plant historian and the batch result sits in the experiment record, so someone exports both and lines up the timestamps by hand, and every new question about the run repeats that work. Uncountable keeps the signals that R&D, process and quality teams need next to the work they explain, while your plant historian and control system keep running the plant.

HOW IT WORKS

Integration jobs

A job built with the Uncountable Python SDK runs on a schedule or a webhook, and sends up to 1,000 values for one tag in each request through the external API.

Backfill without duplicates

Each value carries its observation time and time zone. Sending a window again replaces stored values, and an async batch suits a large backfill.

Tags with units

Each tag holds one numeric signal, such as a reactor temperature or a feed flow, with its unit and a reference name that jobs and users share.

Run rules on every tag

Range and trend rules color the points that break a pattern, so an excursion stands out. Alarms and interlocks stay in your control system.

Bindings that stay as written

Bind a tag to equipment, an experiment, a lab request or a monitoring location for a time window. Binding fields are fixed after creation.

Points

See each tag on its own chart over a shared time axis. Set a reference time, highlight a window, and turn on Experiment Bands.

Experiment Trace

Open the trace from the experiment record. Each workflow step shows as a shaded band over the bound tags, and step times can be corrected.

Access by tag

The integration user needs edit access on each tag it writes, and each user sees only the tags that they can read.

Bodie AI Agent

Ask Bodie about a run. It reads up to 20 tags over a window and keeps a short spike visible. Uncountable does not use customer data to train shared models.

Example: reactor R-101 runs hot during a batch

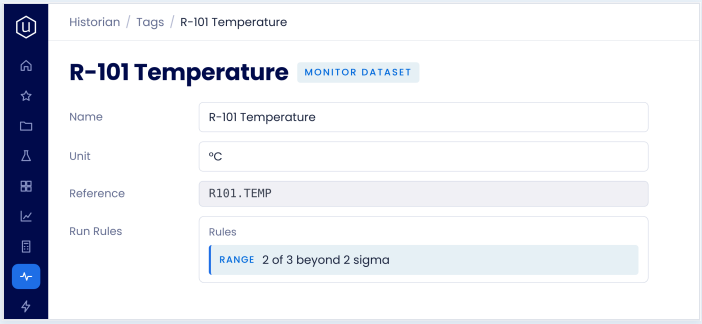
The record gives the context. People decide whether to retest or change the process.

RESULT

The range rule on R-101 Temperature flags 2 of 3 points beyond 2 standard deviations while batch B-2410-20 runs, and pressure rises in the same window.

NEXT STEP

The team opens Experiment Trace for EXP-1182, sees which workflow step the excursion fell in, and reviews the run with the trace on screen.



The R-101 Temperature tag in Uncountable, with its unit, its reference name and its range run rule (demo data).

See it on your own process

Bring one recent off-spec batch and the signals behind it. We will show you its trace next to the run in Uncountable.

SCAN TO BOOK

Book a demo →