# CHART RECORDERS VS DATA LOGGERS

## TIME & RESOURCES

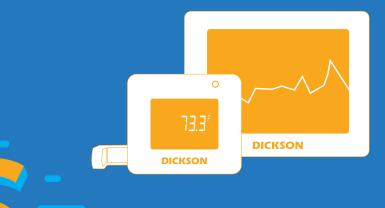**Chart Recorders** ❌
- On-going cost of charts/pens
- Physical storage of paper charts
- Charts/pens need to be continuously replaced in order to ensure effectiveness

**Data Loggers** ✅
- No ongoing cost with standalone loggers*
- Easier data downloading, analysis, and storage

## DATA ANALYSIS

**Chart Recorders** ❌
- Manual retrieval required
- Low precision of data

**Data Loggers** ✅
- Simple to access, copy, and reorganize data
- Vast, automatic data backup

## SOFTWARE CAPABILITIES

**Chart Recorders** ❌
- Not compatible with monitoring software

**Data Loggers** ✅
- Compatible with cloud-based monitoring software
- Capabilities provide for analysis, reporting, alerting, and sharing of data

## REGULATORY COMPLIANCE

**Chart Recorders** ❌
- Not sufficient to meet most regulatory standards

**Data Loggers** ✅
- Industry standard for meeting regulatory compliance needs

## REMOTE MONITORING

**Chart Recorders** ❌
- Requires on-site staff for monitoring visibility

**Data Loggers** ✅
- Scalable, reliable remote monitoring of facilities anywhere in the world

## ALARMS & NOTIFICATIONS

**Chart Recorders** ❌
- Reactive recording of excursion, but little in the way of proactive, customized alarm capability

**Data Loggers** ✅
- Customizable, targeted alerts through monitoring software via email, text messages, and phone call

* Only applies to standalone data logger itself. Cloud-based monitoring software does come with ongoing costs, though also provides capabilities not found in a chart recorder.

## DICKSON
Environmental Monitoring + Compliance Experts

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