Inpharmatic
Pharma Software Solutions

With your systems, without compromise.

Ioi

Ioi Integration of instruments

Integration of instruments

Is your instrumentation fully functional but not meeting Data Integrity requirements?

Just keep it!

Ioi - Integration of instruments integrates your instrumentation into a platform, allowing a fully electronic way of collecting measurements and managing the processes.

Ioi is an instrument integration platform with advanced functionalities designed for Quality Control laboratories.

It can become your best companion for digital transformation processes.

DATA INTEGRITY COMPLIANCE

Ioi centrally manages critical GxP electronic data in compliance with Data Integrity requirements.
It guarantees the quality and the integrity of data, satisfying the need for greater efficiency and process control.

Ioi's able to communicate with third-party systems through its optional modules.

With Ioi you can

MEASURE

Automatic acquisition of measurements and recording in a secure database.

Association of manual notes to measurements and instruments.

REVIEW & APPROVE

Context-based electronic review with configurable review flows.

REPORT & CONTROL

Complete set of standard reports.

Communication with third-party systems such as LIMS, MES, EBR, ERP...

Ioi applicability

☑ **MULTI-BRAND**
Integration of instruments from any brand and age.

☑ **FAST CONFIGURATION**
No coding for specific instruments.

☑ **SIMPLE VALIDATION**
Gamp 5, software category 4.

Some of the tools that can be integrated:

BASIC

ADVANCED

Scale

pH meter

UV spectophotometer

Polarimeter

Tritator

IR spectophotometer

Ioi in the QC laboratory

Core Module is the basic module of Ioi - Integration of instruments.
Enables data capture and processing, including review, approval and reporting.

Measurement workflow with Ioi

Identify the
material

Identify the
instrument

Report and Electronic Review

Complete set of reports based on:
- Measurements
- Collection of measurements
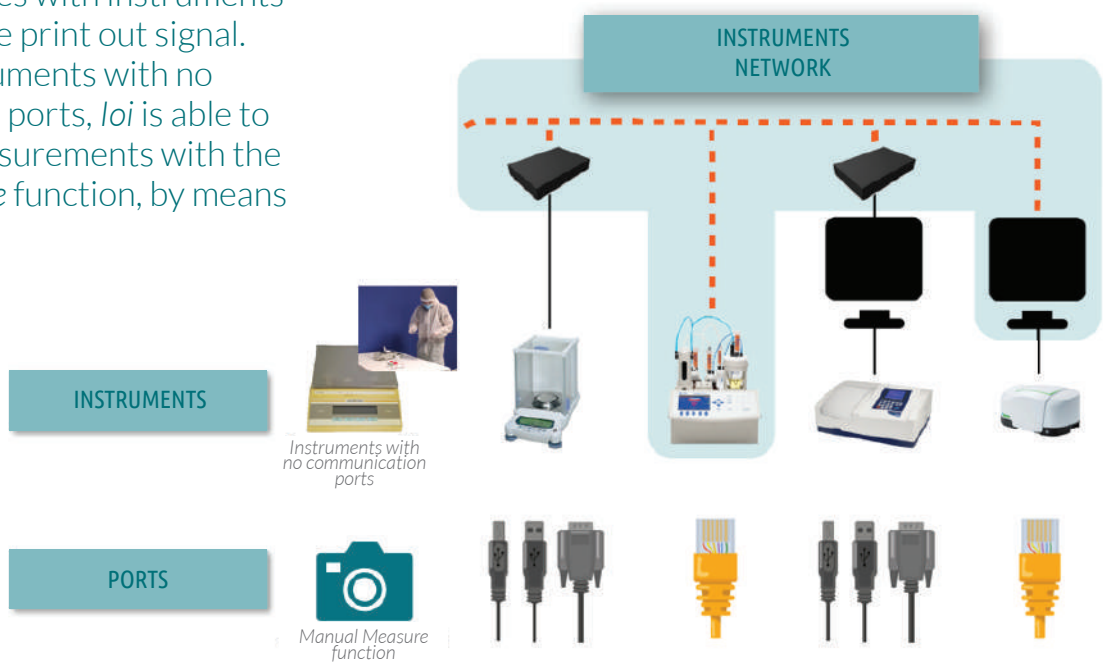- Instrument logbook
- Audit Trail
- etc...

Electronic Review, allowing the setting
up of up to three Electronic Signatures.

Connectivity

With instruments

Ioi communicates with instruments by capturing the print out signal. In case of instruments with no communication ports, *Ioi* is able to record the measurements with the *Manual Measure* function, by means of a camera.

INSTRUMENTS NETWORK

INSTRUMENTS

Instruments with no communication ports

PORTS

Manual Measure function

With systems

Third-party systems such as LIMS, MES, ELN, EBR...

MIDDLEWARE MODULE

Enables the communication between *Ioi* and third-party systems in order to:
- transfer the stored data in the Ioi SQL Server
- provide data required by third-party systems

SMART GATEWAY MODULE

Allows third-party systems to operate directly in the measurement acquisition management, using Ioi as a processing interface of the instruments signal.

TEST ENVIRONMENT

Ioi platform is always associated with a Test Environment that enables the testing of the modules and the configuration of instruments, profiles, roles and processes.

Case studies

WITH PAPER

Ioi

PAPERLESS

-50%

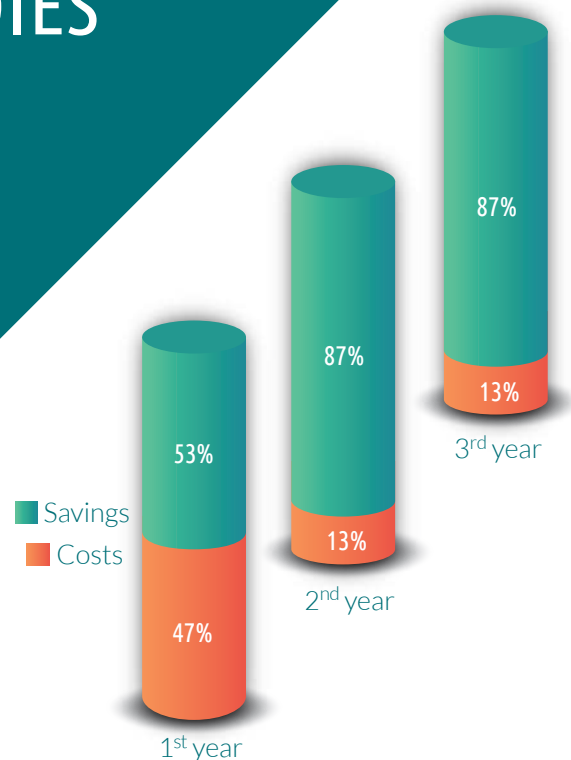## 50% of time saved thanks to Ioi - Integration of instruments

The paperless data management workflow, from the acquisition of the measurement to its final review, takes 50% less time than the same process traditionally managed with paper.

CASE STUDIES

87%

87%

13%

3rd year

87%

13%

2nd year

53%

■ Savings
■ Costs

47%

1st year

High return on investment in three years since Ioi installation

Integrating 35 instruments with *Ioi* platform means obtaining 53% of savings for the first year, reaching the 87% for the following two years.

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