

# CompuCal

## Solutions for Calibration Management



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# Software to efficiently maintain and calibrate your on-site instrumentation and assets

**CompuCal** is a high performing software tool that meets all requirements regarding calibration and maintenance management. Developed with key users and proven in the Life Sciences industry, CompuCal allows you to efficiently maintain and calibrate your on-site instrumentation. It fulfills the highest demands of regulated industries and at the same time reduces complexity, time and costs associated with the management of calibration and maintenance activities.

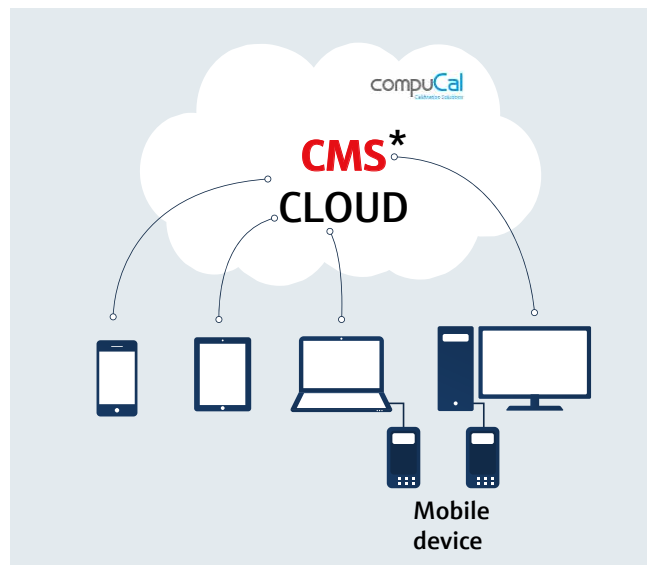
CompuCal provides scheduling, executing, verifying tasks, and audit trail. Embedded documentation capability facilitates faster plant audits with no extra efforts. Simplified user interfaces and workflows along with online help allow safe execution for the user.

Web based technologies allow operating from any location. Maintenance and calibration tasks can be easily adopted for any industry's needs.

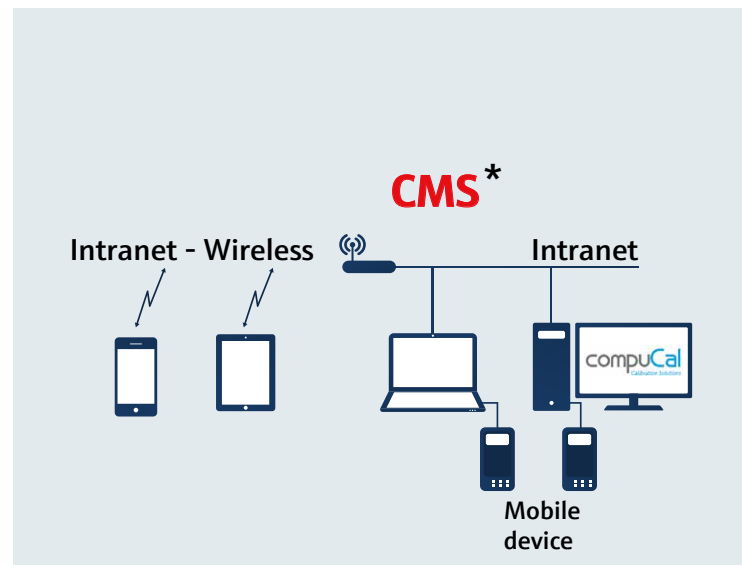


## CompuCal solutions:

### Cloud



### On-premises



\*Calibration Management System

# Why CompuCal?

## Value

- Web based software
- Integrates calibration & maintenance
- Manage multiple sites
- Integration with SAP®
- Unmatched Instrument & loop functionality
- Integration with documentation calibrators
- Automates ISO & GMP work flows
- Mobile & paperless solutions
- All areas available from one navigation tree
- Only essential information required
- Automated flexible logical work flows
- Easy to retrieve reports
- User defined desktops
- KPI's at your finger tips
- History for all areas in one easy to use screen
- Automated planning and scheduling



Paperless calibration via Windows® mobile device with mobile CompuCal

## Benefits

	Cloud	On-premises
Easy to use	✓	✓
Improve operational efficiency up to 25%	✓	✓
Best in class loop functionality	✓	✓
Automated planning and scheduling	✓	✓
Traceability of the calibrations	✓	✓
21 CFR Part 11 compliant	✓	✓
Managed backup	✓	
No software installation	✓	
Automated updates	✓	
Automatic e-mail alerts	✓	✓
Extensive reporting	✓	✓
Crystal Reports® integration	✓	✓
Always audit ready	✓	✓
Paperless solution	✓	✓
Never miss a calibration	✓	✓
Eliminate written error	✓	✓
System integration	✓	✓
Advantaged interval analysis	✓	✓
Automated deviation alerts	✓	✓
Certificates at your finger tips	✓	✓
Automated procedures reducing human errors	✓	✓

# CompuCal – Solutions

Check your calibration status

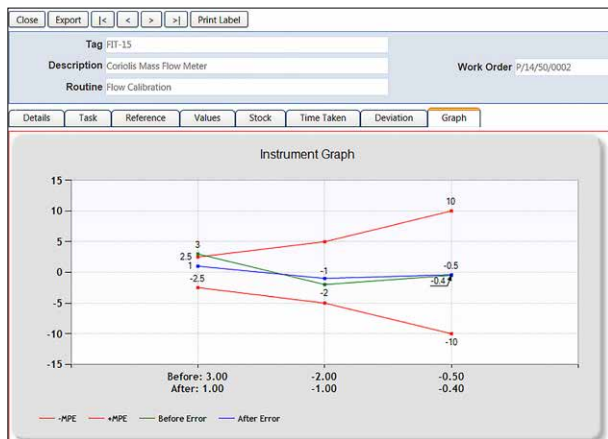
**Dedicated indicators** are used to provide measurements of the efficiency and quality of your calibrations. The KPI (key performance indicators) dashboard in CompuCal enables the Quality Manager to check the calibration status at a glance.

Instrument		Routine		SpecSheet		W@M	
New		Edit		Save		Export	
Cancel		Close					
Tag: FIT-15				Instrument Type:			
Description: Coriolis Mass Flow Meter							
Details				User Fields			
Class	Process Critical	Calibration					
Area	PTU Flow Tree - 3/4Inch	PI					
Manufacturer	Endress+Hauser	Location					
Supplier	Endress+Hauser	Type And Mo					
Serial No	J1075A16000	Order Co					
Service Status	Open Maintenance	In Service D					
Company	Endress+Hauser	Departm					
P&ID Code							

Instrument setup



KPI dashboard



Instrument performance

The screenshot shows the 'Work Schedule' interface in CompuCal. It includes a table of work orders with columns for Tag ID #, Work Order, Instrument Type, Description, Location, and Status. The table lists various calibration tasks such as 'Temp 0-400 psi', 'Temperature Transmitter', 'Gas Sensor', 'Pressure Gauge', and 'Flow Transmitter'.

Tag ID #	Work Order	Instrument Type	Description	Location	Status
28-PT-0001	PT14/08/0004	PT	Temp 0-400 psi	Press 0-400 psi	OverDue/Cancelled
28-PT-0001	PT14/08/0004	TT	Temp 0-2000 Routine	Temp 0-2000 Routine	Entered
19-203-820	PT14/18/0001	TT	Temperature Transmitter	0-500 F	OverDue
PT-648	PT14/18/0001	GS	Gas Sensor	UEL in Fume Hood	Analysar
CE-0001	PT14/18/0001	PG	Pressure Gauge	pressure gauge for test #5	Calibration
CE-0002	U15/30/0001	PG	Temperature Gauge	Calibration	Entered
Filter004	PT14/01/0001	F	Filter	Batching Filter Building 6	Filter
Filter005	PT14/01/0001	F	Filter	Batching Filter Building 6	Filter
FT-L-WMM	PT14/01/0002	FT	Coriolis Mass Flow Measures	Flow Transmitter	Issued
FT-01-300	PT14/01/0001	FT	Flow Transmitter	Calibration	Issued
FT-MD006-401	PT	FT	Flow Transmitter	Flow Transmitter	OverDue
FT-MD006-401	PT13/17/0001	FT	Flow Transmitter	Flow Transmitter	Issued
FT-MD006-402	PT13/14/0007	FT	Flow Transmitter	Flow Transmitter	Issued
FT-MD006-403	PT13/14/0008	FT	Flow Transmitter	Flow Transmitter	Issued

Calibration schedule

# CompuCal – Business Process Integration

## Integrate your system with CompuCal

**Managing complexity** System landscapes are becoming more and more heterogeneous and the number of applications is steadily growing. At the same time, companies have to raise their productivity with fewer resources. This increases requirements for IT to integrate existing applications, platforms, systems and databases more seamlessly. This results in quick access to information for each device directly.

As a certified SAP customer, certified SAP Competence Center and certified SAP Hosting Partner, Endress+Hauser understands the importance of integration.

Endress+Hauser is capable of integrating the Calibration Management System CompuCal with your ERP (Enterprise Resource Planning) system, such as SAP PM.

**Life cycle management** CompuCal also provides links to W@M®, Endress+Hauser's life cycle management solution. W@M is a flexible information platform with online tools and services to simplify the maintenance of your field instruments. By entering an instrument serial number, users may:

- Download the calibration certificate issued by Endress+Hauser
- Access the instrument status and latest technical information
- Search for spare parts lists with exploded diagrams
- Request the price and delivery time of replacement parts or instruments



### Integration

CompuCal can integrate with systems such as SAP PM, INFOR, MAXIMO, etc.





# Services

Services to support you and your process

- Calibration and managed calibration services
- Loop calibrations
- Calibration management consulting
- Instrument assessment services
- Risk and criticality assessment studies
- Data migration services
- Validation services
- Development of calibration SOPs
- Instrumentation and calibration training
- Business process integration services
- GMP compliance assessment
- URS development
- Customized web and mobile developments





Give us your feedback:  
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