

software

JOFRA[®] calibration **KK**

» Save time

Reduce operator time dramatically by automating calibration procedures. Calibrate up to 24 sensors simultaneously

» Secure production quality

Track sensor performance and drift to conduct timely and efficient preventive maintenance

» Automatic documentation

Full documentation of results and procedures that comply with quality assurance systems

» Reduce sources of error

Get full repeatability using the same procedures and setups ensuring a high level of calibration uniformity and confidence in your results

» One software platform

JOFRACAL works with a wide variety of temperature, signal and pressure calibrators

» Flexible temperature calibration

Specify different temperature sources, such as dry-block calibrators, liquid baths and ovens

» Pressure calibration

Calibrate pressure measuring devices, transmitters, sensors, converters, analogue or digital gauges

ISO 9001 Manufacturer

Specification Sheet
SS-JOFRACAL

Calibration Software **JOFRACAL**

Now including
process signal
calibration



JOFRACAL is a complete process calibration solution, enabling paperless calibration. JOFRACAL offers configuration and unlimited storage of calibration procedures, calibration setups and calibration results. The software handles comparisons between the process readout value and the reference value; a measurement typically required by ISO 9000, GMP, or HACCP systems.

JOFRACAL adds value to new, as well as your existing, JOFRA calibrators by offering a scheduling and documenting calibration system on your PC.

Calibrate thermocouples, RTD's, transmitters, thermo-switches, pressure gauges, sensors, transmitters, pressure switches, signal converters, amplifiers, indicators, insulation amplifiers, etc...

Features

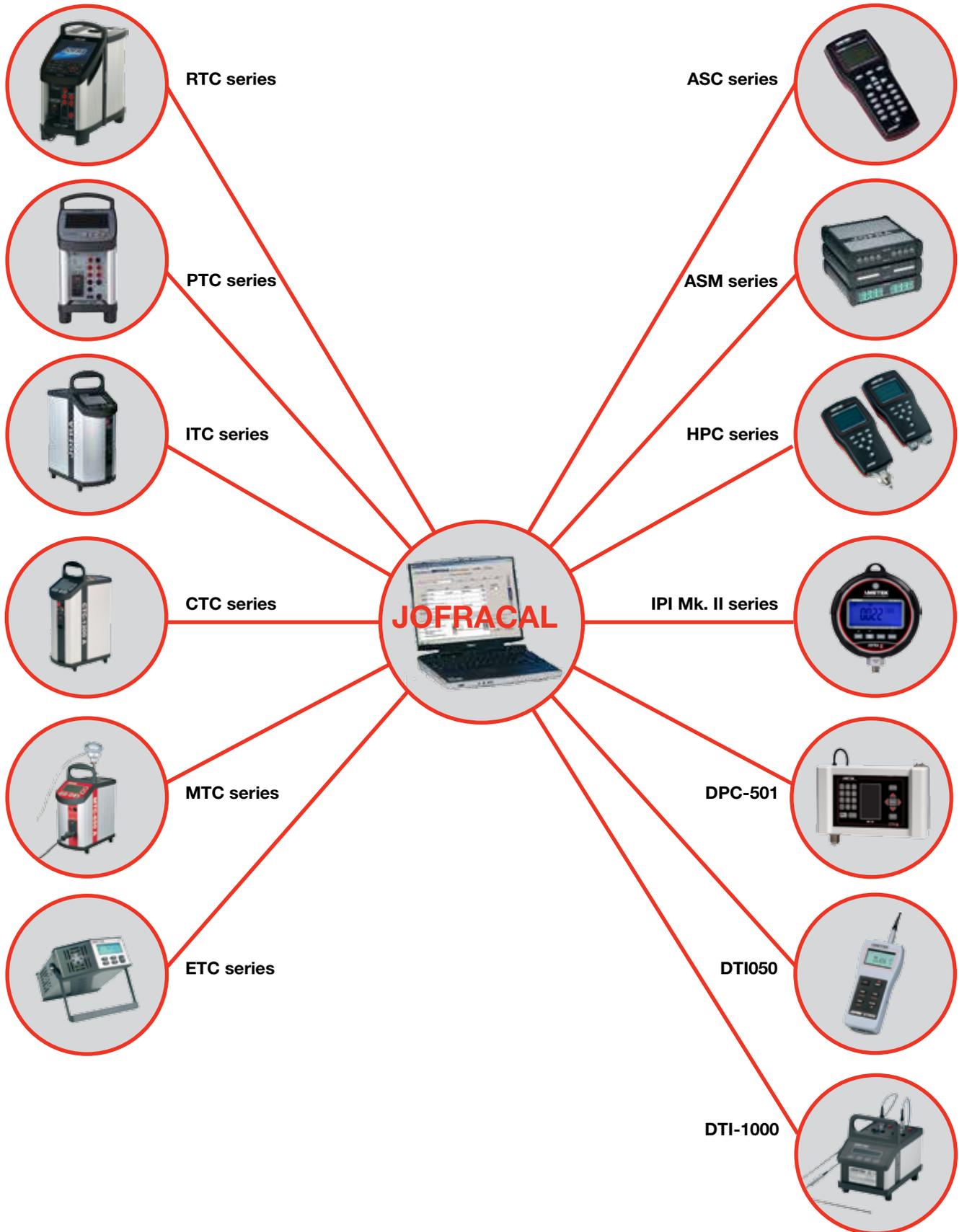
- Easy overview and straightforward navigation via Tabs
- Set up calibration procedures and download them to your calibration instrument (JOFRA RTC/ATC/PTC/ASC321)
- Print calibration certificates to comply with ISO standards, local norms and standards. JOFRACAL has a built-in PDF generator for easy generation of documents
- Calibration procedures and results are stored in a user-friendly database with search and sorting functionality
- Access to sensor-under-test (SUT) calibration history for preventive maintenance
- Transfer data to spreadsheets or other systems
- Schedule calibrations; list the tag, location and calibration due dates for your instruments

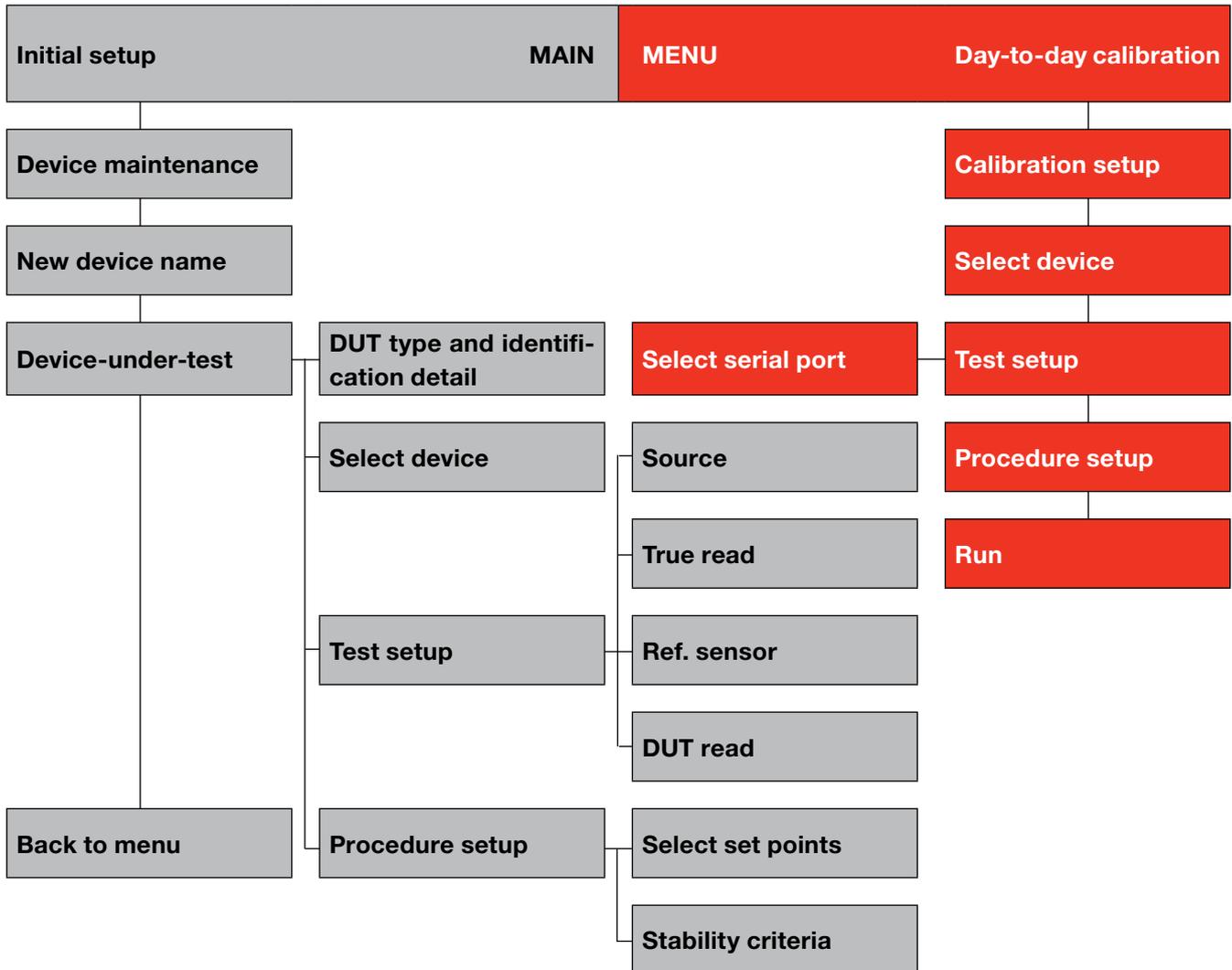
AMETEK[®]
TEST & CALIBRATION INSTRUMENTS

JOFRA INSTRUMENT COMBINATIONS

JOFRACAL calibration software combines JOFRA temperature, pressure and signal calibrators into larger and more capable calibration systems.

JOFRACAL can also be used for manual calibrations. It can be set up to accept manual entry of calibration data together with other liquid baths, ice points or dry-block heat sources.





Easy calibration set-up

The unique “Icon bar” is key for easy set up of a calibration task. The “Icon bar” tells the current status of the calibration process, starting with selection of the sensor to be calibrated and ending with the performance of the calibration. The diagram shows the basic steps needed to set up a calibration.

Initial set-up

When calibrating sensors for the first time, the initial setup in the grey boxes must be followed. First, enter the specifics for the sensor(s) to be calibrated. Second, carry out the setup and calibration procedures.

When the setup is finished, the calibration is ready to run (red boxes).

Day-to-day calibration

On a daily basis, it is not necessary to setup the sensor data again as setups and calibration procedures are retained from earlier calibrations. Just follow the red boxes, selecting the sensor(s) to be calibrated.

This is easy and ensures that calibration is done in exactly the same way every time.

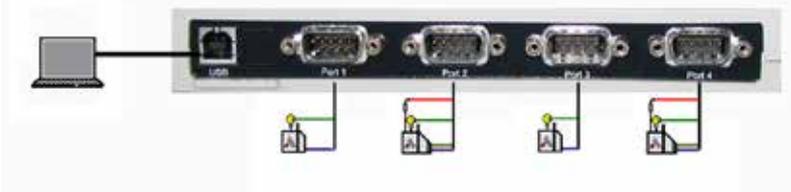


Setup with JOFRA HPC system B connected to a PC with JOFRACAL

ACCESSORIES

Part no. Description

125002 Edgeport converter with 4 RS232 ports. Connected and powered by the USB connection to the PC. Tested with JOFRA calibrators



Many laptops are delivered without RS232 ports. The solution is to use a USB to RS232 converter, however converters are of varying quality and compatibility. As a part of our "ready-to-use" concept, AMETEK offers a USB to RS232 ports converter, tested with ALL JOFRA units.

The converter has four RS232 ports, to enable the unique JOFRACAL feature of combining more JOFRA calibrators into a complete calibration system.

Operating System Compatibility

Microsoft Windows® XP, Vista, Windows7 (32 bit) or Windows7 (64 bit)



Download free at
www.jofra.com

AMETEK Test & Calibration Instruments
A business unit of AMETEK Measurement & Calibration Technologies Division offering the following industry leading brands for test and calibration instrumentation.

JOFRA Calibration Instruments

Temperature Calibrators

Portable dry-block calibrators, precision thermometers and liquid baths. Temperature ranges from -90°C(-130°F) to 1205°C(2200°F). Temperature sensors for industrial and marine use.

Pressure Calibrators

Convenient electronic systems ranging from -25 mbar to 1000 bar - fully temperature-compensated for problem-free and accurate field use.

Signal Instruments

Process signal measurement and simulation for easy control loop calibration and measurement tasks.

M&G Pressure Testers & Pumps

Pneumatic floating-ball or hydraulic piston dead weight testers with accuracies to 0.015% of reading. Pressure generators delivering up to 1,000 bar.

Lloyd Instruments

Materials testing machines and software from Lloyd Instruments guarantees expert materials testing solutions. The comprehensive program also covers Texture Analysers to perform rapid, general food testing and detailed texture analysis on a diverse range of foods and cosmetics.

Davenport Polymer Test Equipment

Allows measurement and characterization of moisture-sensitive PET polymers and polymer density.

Chatillon Force Measurement

The hand held force gauges and motorized testers have earned their reputation for quality, reliability and accuracy and they represent the de facto standard for force measurement.

Newage Testing Instruments

Hardness testers, durometers, optical systems and software for data acquisition and analysis.

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