ISM Core Software

Intelligent Asset Management
For ISM Analytical Sensors

Step-by-Step Calibration Guidance
ISM Core software guides users through the calibration process, ensuring that no step is missed. This provides consistent calibration every time.

Simplified Documentation
ISM Core allows you to automatically generate calibration reports and export a sensor's calibration history as a PDF or into Excel.

Visualization of Sensor Health
ISM Core uses color coding to tell you the operational status of your sensors based on a range of advanced predictive diagnostics.

Dedicated Version for Pharma Regulatory Compliance
For the bio-pharmaceutical industry ISM Core CFR enables electronic records and signatures, making it both FDA 21 CFR Part 11 and GMP Volume 4 Annex 11 ready.

ISM Core
Your Digital Sensor Expert

ISM Core™ is METTLER TOLEDO's user-friendly software for its Intelligent Sensor Management (ISM™) technology.

With ISM Core, you can conveniently precalibrate your ISM sensors away from the process with the accuracy of lab conditions and assess the sensor state with real-time diagnostic information. This allows you to decide instantly whether to re-use or discard a sensor.

Simply connect your ISM sensor via USB to your PC and get access to various intuitive analysis, calibration and documentation applications.

Calibration information is collected, managed and analyzed efficiently and documented consistently to satisfy regulatory requirements.

Contact your local METTLER TOLEDO distributor for more information on ISM Core.

Download the ISM Core software and take advantage of the 90 days free trial.

▶ **www.mt.com/ISM-Core**

METTLER TOLEDO

ISM Core Software

Specifications

Measurement parameters	pH/ORP all digital ISM sensors
	Oxygen all digital ISM sensors
	CO_2 InPro® 5000i

Calibration	Supported by all ISM Core versions
pH calibration	1-point, 2-point, 3-point, process
Temperature calibration of pH sensors	1-point
ORP calibration	1-point, process
DO calibration for amp. sensors	Slope, offset, process slope, process offset
DO calibration for optical sensors	1-point, 2-point, process, scaling
CO_2 (InPro 5000i) calibration	1-point, 2-point, process, scaling

Performance	Supported by
M100 SM settings	All ISM Core versions
Measurements	All ISM Core versions
Automated electronic documentation	ISM Core Advanced and CFR
Sensor field calibration dataset	ISM Core Advanced and CFR
Sensor database	ISM Core Advanced and CFR
Database backup	ISM Core Advanced and CFR
Sensor diagnostics dashboard	ISM Core Advanced and CFR
CFR compliance support	ISM Core CFR

Recommended PC requirements	
Processor	Intel Core/AMD Ryzen or similar
RAM	4 GB RAM
Screen resolution	1280×1024 screen resolution or higher
Hard disk	500 MB available hard disk space
Operating system	Microsoft Windows 10 or later
Graphics card	Microsoft DirectX compatible graphics board with 3D acceleration
Interface	USB and/or Bluetooth(TM) (depending on the accessory)

Ordering informtation	
License ISM Core Essential	30846306
License ISM Core Advanced	30846307
License ISM Core CFR	30846348

Accessories	
iLink™ Multi (with integrated barometer and hygrometer)	30 130 631
iLink Multi Cable/Set oDO (RS 485) (required cable set for optical oxygen sensors connecting with iLink Multi)	30 355 582
AK9/1 m/BNC-50 (required cable set for pH, CO_2 and amperometric oxygen sensors connecting with iLink Multi)	59 902 168
CalBox™ with temperature sensor for iLink Multi	52 300 400
iSense BT Dongle (wireless connection to M100 SM and J-Box BT)	30 371 387
Cable DS AK9-RJ12 (iLink 1-wire, connects 1-wire sensors to ISM Core)	52 300 383
iLink RS485 VP	30 014 134
iLink RS485	52 300 399

Accessories for sensor connection

iLink Multi

iLink-1-wire

iLink-RS 485

iLink-RS 485 VP

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
METTLER TOLEDO Group
Process Analytics
Local contact: www.mt.com/pro-MOs

www.mt.com

For more information

Subject to technical changes.
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