



VisiFerm mA / VisiTrace mA Family

Firmware VisiFerm mA ODOUH108 and VisiTrace mA LDOUH108 (2026 June)

New Feature / Improvements	Description	Advantage	Update
Revised quality indicator calculation	The Quality Indicator (QI) calculation has been updated to incorporate both sensor operating hours and operating temperature into the evaluation	- Incorporates operating hours and temperature - Warning threshold adjusted (30% → 10%) for the sensor quality indicator only - Measurement output unchanged	Recommended

Firmware VisiFerm mA ODOUH107 and VisiTrace mA LDOUH107 (2025 March)

New Feature / Improvements	Description	Advantage	Update
Bugfix of HART watchdog restart	Resolved issue where sensor experienced unexpected restarts every 25 days when HART command 3 was read	Implemented fix prevents the sensor from restarting when HART command 3 is read	Strongly recommended for HART users

Firmware VisiFerm mA ODOUH106 and VisiTrace mA LDOUH106 (2024 December)

New Feature / Improvements	Description	Advantage	Update
Bugfix of HART Communication	Resolved issue where one error in HART was displayed incorrectly	The error is now displayed correctly in HART	Recommended for HART users

Firmware VisiFerm mA ODOUH105 and VisiTrace mA LDOUH105 (2024 May)

New Feature / Improvements	Description	Advantage	Update
Bugfix of HART Communication	Some HART Commands would not be processed by the sensor correctly	Bugfix solves all issues with HART	Strongly recommended

Firmware VisiFerm mA ODOUH104 and VisiTrace mA LDOUH104 (2023 December)

New Feature / Improvements	Description	Advantage	Update
Optimized error handling	The sensor issues the error "DO p(O ₂) exceeds air pressure" even though this is not the case	No unnecessary error No unnecessary interruption in the workflow	Strongly recommended

Firmware VisiFerm mA ODOUH103 and VisiTrace mA LDOUH103

New Feature / Improvements	Description	Advantage	Update
CIP / SIP Counter	The counter increases after each CIP / SIP	Improved knowledge of sensor usage	Strongly recommended
Temperature Warning	The sensor issues a warning if the measured temperature is outside the customer temperature	Correct response when the sensor is outside the temperature range	Strongly recommended
Change of the measurement interval	A change in the measuring interval is directly applied to the sensor	Dynamic change of measuring interval possible to increase ODO-Cap lifetime	Strongly recommended

Firmware VisiFerm mA ODOUH102 and VisiTrace mA LDOUH102

New Feature / Improvements	Description	Advantage	Update
LED still flashing even if connection on mobile via ArcAir is stopped	Bluetooth communication in encrypted mode does not disconnect the connection to the mobile	Sensor disconnection possible on mobiles	Strongly recommended
Min. and max. limits of 4–20mA	The min. and max. limits of the 4–20mA interface are stored in reverse order via HART	Correct min. and max. 4–20mA limits values stored	Strongly recommended
Internal Communication	Too low baudrate between frontend and userend communication	Baudrate increased	Strongly recommended
Synchronize measurement units	When changing the measurement units the calibration unit will be changed aswell	Synchronization of measurement units	Strongly recommended
Internal communication failure	Once internal communication has failed, the error cannot be cleared without turning off the power, even if there is no error anymore	Internal communication errors are cleared without having to switch off the power	Strongly recommended
New standard measurement and temperature value set during the first three second sensor initialization time	During the initialization phase of the sensor, which lasts 3 seconds, the measured value was previously set to 0. Now the values for measurement and temperature were set to 20.95%-vol for VisiFerm mA and 394.45ug/l ppb for VisiTrace mA and 25°C.	No error alarm during the three second initialization of the sensor on the control system	Recommended
Includes the new ODO Cap L1 parameters	The new ODO Cap L1 parameter has been integrated into the FW LDOUH102 VisiTrace mA so that the measurement is performed within the specifications	The possibility to operate the ODO Cap L1 with VisiTrace mA	Recommended

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