Seven-day installation report **Memograph M RSG45**

Per PMO 2023 revision



Checklist for seven-day accuracy per PMO

Per PMO appendix H section V: Upon the initial installation, computer generated reports shall be verified visually for accuracy for seven (7) consecutive days and be found to be accurate and error free in actual service in the milk plant where installed. These seven (7) days of reports shall be printed out and shall bear the signature of both the vendor of the system and the identified representative from the milk plant, or they shall be accompanied by a cover letter signed by the vendor and the identified representative from the milk plant. If the milk plant develops the computerized data collection, storage and reporting system, the programmer and the identified representative from the milk plant shall be two (2) different individuals. This seven (7) day report verification period shall only be required at initial installation and one (1) time only whenever a chart recorder and/or hand-written record is being replaced by electronic data collection, storage and reporting. These seven (7) days of reports shall be kept on file at the milk plant and a copy shall be provided to the regulatory agency when requested.

Checklist prior to starting test

Check item	Endress+Hauser representative	Processor representative
Model and configuration – confirm model code options are in accordance with the permitted in Appendix A		
Correct time is set and DST activated (where applicable)		
Memograph M RSG45 login per 21CFR part 11 activated		
Automatic log out after five min. active		
Input(s) – scaling set to appropriate range		
Input(s) – zero-second damping		
Measured values save cycle set to one second (in signal groups)		
Input signals from measurement instruments are connected and signals are recorded		
Operator and administrator username/password in place and active (alternative use RFID reader and employee-specific badge)		
Lock jumper digital input 1 in place		
Back cover and regulatory seal in place		
"Padlock" icon in closed position (visible on Memograph M RSG45 front screen upper right corner)		
FDM (Field Data Manager) admin and operator login per 21CFR part 11 activated		
Automatic read out of desired Memograph M RSG45 active (recommended five min.)		
Data and annotation are captured and displayed		

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Appendix A – Pasteurizer permitted options:

order option mandatory for PMO applications order option allowed for PMO applications order option not allowed for PMO applications RSG45 Option 10 20 30 40 50 60 70 80 90 100 110 500 | 550 | 560 | 570 | 580 | 600 | 610 | 895 010 Approval: 010 AA Non-hazardous area BK ATEX II2G Ex px IIC, II2D Ex pD IIIC 010 500 Operating Language Display: 020 Power Supply: 500 AA English 020 100-230VAC (+/-10%) AB German 500 020 2 24V (-10%, +15%) AC/DC AC French 500 030 Slot 1: 030 Not used 500 AD Spanish 500 AE Italian 030 4x universal U,I,TC,RTD, pulse-/frequency input 500 4x HART/4...20mA input, HART transparency AF Dutch 030 500 AG Portuguese 040 Slot 2: 500 040 Not used AH Polish 500 Al Russian 040 4x universal U,I,TC,RTD, pulse-/frequency input 500 AK Chinese simplified 4x HART/4...20mA input, HART transparency 040 500 AL Japanese 050 Slot 3: AR Czech 050 500 Not used 500 AS Chinese traditional 050 4x universal U,I,TC,RTD, pulse-/frequency input 500 AT Swedish 050 4x HART/4...20mA input, HART transparency 550 Calibration: 060 Slot 4: 060 Not used 550 F1 Works calibration certificate Housing: 560 060 4x universal U,I,TC,RTD, pulse-/frequency input 560 GA Terminal cover, Display housing 060 4x HART/4...20mA input, HART transparency 560 GB Terminal cover, DIN rail housing 070 Slot 5: 560 G1 Field, IP65, NEMA type 4 Encl. Not used 070 560 G2 Desk top, cable with European two-pin earthed plug 070 4x universal U,I,TC,RTD, pulse-/frequency input 560 G3 Desk top, cable with US plug 070 4x HART/4...20mA input, HART transparency 560 G4 Desk top, cable with Swiss plug 070 D Add. 8x digital input, 6x relay, 2x analog output 560 G9 Special version, TSP-no. to be spec. 080 Front Bezel: 570 Service: 080 Zink diecast, powder-coated, light grey HK IQ/OQ Template + software backup 570 080 В Stainless steel, touchscreen, 570 HL IQ/OQ Template for fieldbuses + software backup 080 DIN rail housing, no display 570 H8 Customized pre-configured 090 Communication Master Functionality: 570 H9 Special version, TSP-no. to be spec. 090 Not selected 600 Licence Package FDM Software MS20: 0.90 Modbus RTU/TCP, Master 100 600 MA Professional 1x workplace licence Communication Slave Functionality: 610 Accessory mounted: 100 Not selected 610 N1 SD card industrial grade, 1GB 100 Modbus RTU/TCP, Slave, 895 Marking: 100 PROFIBUS DP. Slave 895 Z1 Tagging (TAG), metal 100 D PROFINET, IO-Device 895 Z2 Tagging (TAG), on device 100 E EtherNet/IP Server 895 Z3 Commissioning label, paper 110 Application Package: 895 Z6 Tagging (TAG), by customer 110 Not selected

Note: Slot 5, option "D" must be selected if 2 x 4-20mA output is needed for retransmission. Option "D" PROFINET, or "E" EtherNet/IP in position 100, can be selected to retransmit measured values to PLC. Programming changes are not possible via these protocols.

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Mathematic

Telealarm + mathematic

Batch software + mathematic

Special version, TSP-no. to be spec.

Waste water + storm overflow + telealarm + mathematic

Telealarm + energy software (water + steam + mathematic

Energy software (water + steam) + mathematic

Seven-day data evaluation

I have visually verified that data from recorder		
is accurate and error-free for the test period date: to		
Vendor	Processor	
Name	Name	
Company	Company	
Signature	Signature	
Date/place	Date/place	
Test reports attached.		

Endress+Hauser



