App functions

Motoric Valve Drive 24 V (AM3) · https://faqdoc.info/en/systemauswahl/motoric-valve-drive-6/motoric-valve-drive-24-v-am3-en/app-functions-2/

FUNCTION	DESCRIPTION	DISPLAY
DEVICE OPERATIONS		
Read		
Read from device	Reading out the settings of the OEM Motoric Valve Drive 6: 24 V Proportional	– Ready to scan: **Hold your smartphone near to NFC tag** – Display: **Data was read successfully** or **Error message** → Repeat the process: The mobile device was moved too early or should be aligned more precisely.
Read from file	**Prerequisite for use:** File stored on the mobile device. – Reading the settings from a file stored on the mobile device Ways to store a file on the mobile device: – Sending files as attachments by message or e-mail – Storage of file by **Write to file** command	Display of the file management of the mobile device

Write		
Write to device	Settings are written to the OEM Motoric Valve Drive 6: 24 V Proportional	– Ready to scan: **Hold your smartphone near to NFC tag** – Display: **Data was read successfully** or **Error message** → Repeat the process: The mobile device was moved too early or should be aligned more precisely.
Write to file	Scanned settings are stored as a file in the memory of the mobile device. The file can be used for – the dispatch by message or mail - the setup of further OEM Motoric Valve Drive 6: 24 V Proportional devices	Display of the file management of the mobile device
Verify		

Verify device	Comparison of the settings displayed in the **Settings** menu and the settings in the OEM Motoric Valve Drive 6: 24 V Proportional	– Ready to scan: **Hold your smartphone near to NFC tag** – Display: **Data was read successfully** or **Error message** → Repeat the process: The mobile device was moved too early or should be aligned more precisely. Result: **Validation successful**: identical settings or **Verification failed**: different settings
Active operations		
Start initialization	Initialization of the OEM Motoric Valve Drive 6: 24 V Proportional The actuator travels along the actuator path and valve path. The opening and closing points of the valve are stored.	**Your device will now begin with the initialization process.**

Go to position	Setting the actuator position	Sequence: 1. **Go to position** 2. **Confirm** 3. Ready to scan: **Hold your smartphone near to the NFC tag.** 4. **your device will now go to the specified position** or **Error message** → Repeat the process: The mobile device was moved too early or should be aligned more precisely.
Factory reset	Adjusts the parameters of the OEM Motor-ic Valve Drive 6: 24 V Proportional to the delivery state.	Sequence: 1. Warning message 2. Scan process
Settings		
Force	Setting the force in the levels: 100 N, 125 N, 150 N, 200 N	
Runtime	15 s/mm, 30 s/mm	
Valve path recognition (VPR)	ON | OFF	
Display illumination	ON | OFF	Turns the LCD backlight on or off.
Drive path	2 – 8.5 mm	Limitation of the actuator path when the VPR is switched off. Use as a "limiter".

Bypass	0 ... 50 %	Limitation of the actuator travel in the other direction. **Application:** Ensure minimum flow to protect against frost. **Note:** Both the rubber diaphragm in the valve and the backlash in the adapter and the gear unit can influence the position. Please check the position!
Valve position	mm | %	Sets the preferred display on the LC display.
Failsafe position	0 %	0 ... 100 %, steps of 10 % (only for MPxF)
Valve Curve Valve curve	Linear	Linear | EQP
Feedback range Functionality	1 – 9 V	1 - 9 V | 1 - 5 V | 0 - 10 V
Control voltage – start Control voltage – start	0.5 V	0 V ... 10 V (steps of 0.1 V)
Control voltage end Control voltage – end	10 V	0 V ... 10 V (steps of 0.1 V)
Device Operations		
Mode	**MPx**	MPx | M3x

.NOTE.

All modifications must only be carried out with the appropriate expertise. Incorrect settings can lead to malfunctions of the

drive, a malfunction of the control system and consequential costs. The manufacturer does not accept any responsibility for incorrect settings and their consequences.

Changes are accepted after the actuator is switched on again.

Adjustable modes

	Function	Valve path	Description
MPR	Proportional	preset, fixed	- Valve path recognition switched off, path fixed
MPV	Proportional	Valve path recognition	- 3-pole connection cable without feedback - The feedback signal can be tapped in all proportional modes with 4-wire connection cable
M3P	2- and 3-point operation	Valve path recognition **deactivated**	The motor switches off when the valve pressure plate has reached the inner, mechanical stop
M3V	2- and 3-point operation	Valve path recognition **activated**	The motor shuts down when the valve pressure plate lifts off the plunger **Caution**: Without back pressure from the valve, the valve pressure plate only extends!

By changing the mode, the OEM Motoric Valve Drive 6: 24 V Proportional can also behave like a 2-/3-point actuator: