Documentation of controller settings, type D1Ca

Identity code: D1C _____ **Serial number:** _____

Measured variable: _____ **Measurement range:** _____

Site operating materials identification: _____

Software version: **D1C-FW** _____ **Error messages:** Ɛ _____

Calibration values: Zero point: _____ Slope: _____

Measurement range allocation: 0/4 mA_____ 20 mA _____
Measured value control time on ☐ _____s off ☐

Control:
yes ☐ no ☐
automatic ☐ set value _____ manual ☐ _____ %
with dead zone ☐ set value 1 _____ , set value 2 _____
Dosing direction: increase ☐ decrease ☐
Control parameters xp _____ % T_i _____ s T_D _____ s
Additive basic load _____%

Correction variable:
yes ☐ no ☐ off ☐ manual ☐ _____°C
manual ☐ automatic ☐ CLE ☐ CGE/CTE ☐
yes ☐ no ☐

Feed forward control:
yes ☐ no ☐ additive ☐ multiplicative ☐
10 Hz ☐ 500 Hz ☐ 0-20 mA ☐ 4-20 mA ☐
Nominal value: _____ Hz or _____ mA
Maximum additive control variable _____ %

Pumps:
Pump 1: yes ☐ no ☐ max. stroke no.: _____ / min.
Pump 2: yes ☐ no ☐ max. stroke no.: _____ / min.

Relays:

Relay 1:	Limit value	☐	Relay 2:	Limit value	☐
	Actuator	☐		Actuator	☐
	SV	☐		SV	☐
	Timer	☐		Timer	☐
	off	☐		off	☐
	Motor control valve	☐			

Relay 1: LV 1
N/O ☐ N/C ☐
Relay 2: LV 2
N/O ☐ N/C ☐

SV1: Cycle time: _____ s SV2: Cycle time: _____ s
Min. time: _____ s Min. time: _____ s

Timer 1: Cycle: _____ h Timer 2: Cycle: _____ h
t on: _____ min t on: _____ min

Stroke adjustment motor: yes ☐ no ☐ control direction: _____ Adjustment range: _____

Limit value:

yes ☐ no ☐

Limit value 1: _____ Limit value 2: _____

lower	☐	lower	☐
upper	☐	upper	☐
off	☐	off	☐
Δt on	☐ _____s	Δt on	☐ _____s
Δt off	☐ _____s	Δt off	☐ _____s
max. time	☐ _____s	max. time	☐ _____s

Hysteresis limit values _____

Limit value fault
Δt on: _____ s
Control:
on ☐ off ☐

Analogue output 1:

MV ☐
Control variable ☐
Correction value ☐
off ☐

Signal range: 0 ... 20 mA ☐ 4 ... 20 mA ☐

Signal allocation:
mA signal: 0/4 mA: _____ 20 mA: _____

Analogue output 2:

MV ☐
Control variable ☐
Correction value ☐
off ☐

Signal range: 0 ... 20 mA ☐ 4 ... 20 mA ☐

Signal allocation:
mA signal: 0/4 mA: _____ 20 mA: _____

General settings:

Alarm relay active ☐ not active ☐

Pause:

Pause normal	☐	Pause Hold	☐
N/O	☐	N/C	☐
Alarm off	☐	Alarm on	☐

Time delay td: _____ min.

Operating menu:

Access code: _____

Operating menu: Language _____ ☐ complete ☐ restricted