5.2 DULCOMETER® Measurement and Control Technology D1C Series

5.2.1	DULCOMETER® D1C Series Controller

Microprocessor-based controller

The measured variables are:

- pH/value
- Redox potential
- Temperature
- Chlorine concentration
- mA signal

- Conductivity
- Chlorine dioxide
- Ozone
- Oxygen

Various expansion stages permit process adaptation to various measurement, control and metering requirements.

- Large, clear display of measured value
- Easy operation and clear prompting of settings by texts in the display
- Menu-assisted calibration of measuring probes
- Activation of ProMinent® metering pumps, solenoid valves or actuators
- Monitoring of limit values
- Connection of measuring probes also via converter with disturbance free mA signal
- Connection facility for recording measured value by mA signal

Microprocessor-based controller for Wall mounting

The most important data:

Standard format: 189 x 200 x 76 mm (W x H x D)

Enclosure rating: IP65

Description/Version	Part no.
Accessories	
Kit to convert Wall mounting D1C & D2C into Panel mount	792908

5.2 Identity Code Ordering System for DULCOMETER® D1Cb Controller

ProMinent®

5.2.2	DULCOMETER® D1Cb Series Controller

| **D1Cb** | DULCOMETER® D1C series b controller |

	Installation	
W	Wall mounting	

	Version	
00	with ProMinent logo	

	Power Supply	
6	90 - 253 V 48/63 Hz	

	Approvals	
01	CE Mark	

	Hardware Expansion 1	
0	None	

	Hardware Expansion 2	
0	None	
1	RC protection of the 2 power relays by using a inductive load (motor driven pump) together with power Relay 'M' or 'G'	

	External Connection	
0	None	

	Software Preset	
V	Software preset	

	Measured variables	
A	PES (peracetic acid)	-
B	Bromine 0-10 ppm	
C	Chlorine 0-0.5/2/5/10/20/50/100 ppm	-
D	Chlorine dioxide 0-0.5/2/10/20 ppm	-
F	Fluoride	
L	Conductivity	-
H	Hydrogen Peroxide H_2O_2	-
P	pH 0-14	-
R	Redox -1000...+1000 mV	-
S	Standard signal 0/4-20 mA	-
T	Temperature 0-100° C, 32-212° F	-
X	Dissolved Oxygen O_2	-
Z	Ozone 0-2 ppm O_3	-

	Connection of measured variable	
1	Standard signal 0/4-20 mA terminal (signal converters are necessary for controllers with standard signal 0/4-20 mA measured variable connection Terminal mV for P or R	-

	Correction variable	
0	None	
2	Temperature via Pt 100 (via terminal) for pH	
4	Manual temperature compensation for pH	

	Control input	
0	None	
1	Pause	

	Standard signal output	
0	None	
1	Standard signal 0/4-20 mA configurable output	

	Power relay	
G	Alarm, 2 limit relays or 2 timer	
M	Alarm, 2 solenoid valve relays or 2 timer	

	Pump control	
0	None	
2	Two pumps via pulse frequency	

	Control characteristic:	
0	None	
1	P control	
2	PID control	

	Language	
EN	English	

D1Cb W 00 6 01 0 0 0 V C 1 0 1 1 G 0 0 EN

Example shown:

D1Cb for Chlorine with pause and 4-20 mA output.