

COMPACT MEASURING INTELLIGENCE:  
THE DULCOMETER® DMT MEASUREMENT  
TRANSDUCER FROM PROMinent



# PRECISE MEASURE



ProMinent®

## INTELLIGENT MEASURING TECHNOLOGY TO THE LAST DETAIL OR: HOW TO MEASURE PROGRESS.



Clear operating instructions –  
user friendly for all analyses:

the simple and easy to understand  
operating menu structure is the ideal  
basis for error-free measurements.



Clarity at a glance: measured  
variable, measurement unit and  
correction variable are displayed  
simultaneously. Additional information,  
e.g. error and status messages are  
displayed whenever required.



Long term reliability: the  
DULCOMETER® DMT is equipped  
with a range of self-monitoring func-  
tions, electrical isolation and integrated  
sensor monitoring. All settings menus  
can be protected by an access code.



Compact and very quick to  
install. The robust housing and  
multiple assembly options mean that  
the DMT can be located even in the  
most difficult conditions. The specially  
developed construction concept  
means flexible and simple installation  
and speedy maintenance.





The DMT type temperature. even under the most ProMinent is universally  
DULCOMETER® analytical Incorporating tried and difficult operating condi- applicable and can be  
measurement transducer tested ProMinent engi- tions. Secondly its clear, used in all process tech-  
is a newly developed com- neering it sets the stand- understandable operating nologies, particularly in  
pact, intelligent two wire ard in two respects. Firstly structure, in practice, the chemical and pharma-  
device for the following in its cutting edge meas- virtually prevents errors. ceutical industries and in  
measured variables – pH urement technology water and waste water  
value, redox potential, which gives continuous, The DMT measurement treatment.  
conductivity and reliable process control transducer from

# MEASURED VALUE

DULCOMETER® DMT Type	Measured variable			
	pH	Redox	Temperature	Conductivity
Measurement range	-1...15 pH	-1200...+1200 mV	-20...150°C	0.00...200 ms/cm
Resolution	0.01 pH	1 mV	0.1 °C	0.1 % (min. 0.001µs/cm)
Reproducibility	from 0.5% Mea- surement range	from 0.5% Mea- surement range	from 0.5% Mea- surement range	from 0.5% Mea- surement range
Correction variable	Temperature	-	-	Temperature above
Sensor type	above Pt 100/1000	-	-	Pt 100/1000
Temperature range	-20...150 °C	-	-	-20...150 °C
Connection type	Terminals	Terminals	Terminals	Terminals
Measured variable connection	Terminals	-	-	Terminals
Signal output	4-20 mA	4-20 mA	4-20 mA	4-20 mA
Supply voltage	12...40 V = (2 wire)	12...40 V = (2 wire)	12...40 V = (2 wire)	12...40 V = (2 wire)
Ambient temperature	-5...55 °C	-5...55 °C	-5...55 °C	-5...55 °C
Enclosure rating	IP 65	IP 65	IP 65	IP 65
Dimensions (WxHxD)	125 x 125 x 75 mm	125 x 125 x 75 mm	125 x 125 x 75 mm	125 x 125 x 75 mm
Installation options	Wall, pipe, pillar mounted, control panel installation	Wall, pipe, pillar mounted, control panel installation	Wall, pipe, pillar mounted, control panel installation	Wall, pipe, pillar mounted, control panel installation



## ALL INCLUSIVE - WITH COMPREHENSIVE PROMinent SERVICE, AS ALWAYS.

The DMT measurement transducer, the sensors for pH, redox, temperature and conductivity, the inline probe housings: ProMinent produces all items in house. As a result, individual components are	The system is designed for quick and easy maintenance and servicing with no need to interrupt operations in progress. You can also rely on a quick delivery service and anti-bureaucratic assistance
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# SAFE MEASURES

DULCOTEST® sensor  
technology for precision  
measurement of pH, redox,  
temperature and conductivity



optimally matched.  
Supplied as a complete  
turnkey measurement  
system it is ready for use in  
no time at all.

from the ProMinent  
customer service staff. Our  
engineers are to be found  
on site all over the world  
wherever things aren't  
functioning as they ought.  
Count on it, and measure  
us against our promise.



Subject to technical modifications.  
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distributors from the manufacturer:**  
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Telefax: +49 (6221) 842-419  
info@prominent.de · www.prominent.de

**ProMinent®**

# SERIAL SUCCESS: PROMINENT® MEASUREMENT AND CONTROL EQUIPMENT

## DULCOMETER® DMT

Measured variables:  
pH, redox, conduc-  
tivity, temperature



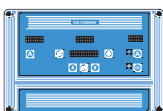
## DULCOMETER® D1C

Measured variables:  
pH, redox,  $\text{Cl}_2$ ,  $\text{ClO}_2$ ,  $\text{O}_2$ ,  
 $\text{O}_3$ , conductivity, mA,  
temperature, °C,  $\text{H}_2\text{O}_2$ , PES



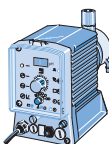
## DULCOMETER® D2C

Measured variables:  
pH/pH,  
pH/ $\text{Cl}_2$ ,  
pH/redox



## DULCOMARIN®

Measured variables:  
pH/ $\text{Cl}_2$ , pH/redox,  
pH/redox/ $\text{Cl}_2$ ,  
pH/redox/ $\text{Cl}_2$ /°C



## DULCOMETER® D\_4a

Measured variables:  
pH, redox,  $\text{Cl}_2$

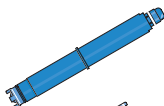
# PROMINENT® SENSOR TECHNOLOGY



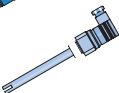
pH measurement sensors



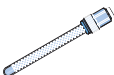
Redox measurement  
sensors



Chlorine/chlorine dioxide/  
Ozone measurement  
sensors



Conductivity  
measurement sensors



Temperature  
measurement sensors  
Pt 100/1000