



APURA s.r.l.

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Ω DUROMAT®



Amperometric analysis (with display result)

Basic version: free and total chlorine, chlorine dioxide, chlorite, peracetic, ozone, hydrogen peroxide, bromine
Available also version with free chlorine value compensation according to water pH value

Amperometric analyzer, with microprocessor for water control.

With result display and possibility of calibration with a calibration solution or measured value correction.

The analyzer is equipped with:

Analysis result on the display

2 programmable relays outputs: maximum value one, maximum value two (or minimum and maximum value).

1 output 0(4) -20mA: analysis result (amperometric)

Certifications/instructions:

- CE certification
- Documentation available in Italian, English, French, Spanish and German



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Technical data Ω DUROMAT®:

Power connection:	24V AC/DC Optional: plug-in transformer 230V 50-60Hz, output: 24V AC
Current consumption:	25 VA
Protection degree on plate:	IP 43
Protection degree in box:	IP 56
Weight on plate:	2,5 Kg
Weight in box:	3,0 Kg
Dimensions on plate:	280 (+100) x360 (+150) x113 mm
Dimensions in box:	300 (+100) x390 (+150) x130 mm
Relays outputs:	3 outputs, maximum charge 250V 4A (result, fault)
Inputs:	1 input, flowmeter
Additional outputs:	0(4) - 20mA result
Probe cable length:	upon request up to 10 meters
Flow sensor cable:	upon request 2 m (extendible)

Water quality:

Temperature:	5° - 40° C
Optically:	transparent, without color, without suspended substances, air bubbles and CO ₂
Chemically:	see technical sheet of the probe
Water pressure:	see technical sheet of the probe
Drain:	without pressure (funnel)
Inlet/outlet water connection:	flexible tube 8 mm external diameter

Available probes:

Free chlorine:

201130	Sonda per cloro libero 0,01 - 2 mg/l, 0 - 45 °C, pH 4-9, mass. 3 bar Probe for free (residual) chlorine 0,01 - 2 ppm, 0 - 45 °C, pH 4 - 9, mass. 3 bar
201135	Sonda per cloro libero 0,01 - 20 mg/l, 0 - 45 °C, pH 4 - 9, mass. 3 bar Probe for free (residual) chlorine 0,01 - 20 ppm, 0 - 45 °C, pH 4 - 9, mass. 3 bar
201140	Sonda per cloro libero 0,01 - 200 mg/l, 0 - 45 °C, pH 4 - 9, mass. 3 bar Probe for free (residual) chlorine 0,01 - 200 ppm, 0 - 45 °C, pH 4 - 12, mass. 3 bar

For sea and surfactants resistant water:

201150	Sonda per cloro libero (acqua di mare) 0,01 - 2 mg/l, 0 - 45 °C, pH 4-9, mass. 3 bar Probe for free (residual) chlorine (sea water) 0,01 - 2 ppm, 0 - 45 °C, pH 4 - 12, mass. 3 bar
201155	Sonda per cloro libero (acqua di mare) 0,01 - 20 mg/l, 0 - 45 °C, pH 4 - 9, mass. 3 bar Probe for free (residual) chlorine (sea water) 0,01 - 20 ppm, 0 - 45 °C, pH 4 - 9, mass. 3 bar
201160	Sonda per cloro libero (acqua di mare) 0,01 - 200 mg/l, 0 - 45 °C, pH 4 - 9, mass. 3 bar Probe for free (residual) chlorine (sea water) 0,01 - 200 ppm, 0 - 45 °C, pH 4 - 9, mass. 3 bar

Total chlorine

201105	Sonda per cloro totale 0,01 - 2 mg/l, 1 - 45 °C, pH 4-12, mass. 3 bar Probe for Chlorine total 0,01 - 2 ppm, 1 - 45 °C, pH 4 - 12, mass. 3 bar
201110	Sonda per cloro totale 0,01 - 20 mg/l, 1 - 45 °C, pH 4 - 12, mass. 3 bar Probe for Chlorine total 0,01 - 20 ppm, 1 - 45 °C, pH 4 - 12, mass. 3 bar



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For sea water:

201120	Sonda per cloro totale (acqua di mare) 0,01 - 2 mg/l, 0 - 45 °C, pH 4-12, mass. 3 bar Probe for Chlorine total (sea water) 0,01 - 2 ppm, 0 - 45 °C, pH 4 - 12, mass. 3 bar
201125	Sonda per cloro totale (acqua di mare) 0,01 - 20 mg/l, 0 - 45 °C, pH 4 - 12, mass. 3 bar Probe for Chlorine total (sea water) 0,01 - 20 ppm, 0 - 45 °C, pH 4 - 12, mass. 3 bar

Chlorine dioxide:

201170	Sonda per biossido di cloro 0,005 - 2 mg/l, 0 - 45 °C, pH 1 - 12, mass. 1 bar Probe for chlorine dioxide 0,005 - 2 ppm, 0 - 45 °C, pH 1 - 12, mass. 1 bar
201175	Sonda per biossido di cloro 0,05 - 20 mg/l, 0 - 45 °C, pH 1 - 12, mass. 1 bar Probe for chlorine dioxide 0,05 - 20 ppm, 0 - 45 °C, pH 1 - 12, mass. 1 bar

For sea water resistant to surfactants:

201180	Sonda per biossido di cloro (acqua di mare), 0,01 - 2 mg/l, 0 - 50 °C, pH 1 - 12, mass. 1 bar Probe for chlorine dioxide (sea water), 0,01 - 2 ppm, 0 - 50 °C, pH 1 - 12, mass. 1 bar
201185	Sonda per biossido di cloro (acqua di mare), 0,01 - 20 mg/l, 0 - 50 °C, pH 1 - 12, mass. 1 bar Probe for chlorine dioxide (sea water), 0,01 - 20 ppm, 0 - 50 °C, pH 1 - 12, mass. 1 bar

Peracetic acid:

201200	Sonda per acido peracetico 0,5 - 200 mg/l, 0 - 45 °C, pH 1 - 6, mass. 1 bar Probe for peracetic acid 0,5 - 200 ppm, 0 - 45 °C, pH 1 - 6, mass. 1 bar
201205	Sonda per acido peracetico 5 - 2.000 mg/l, 0 - 45 °C, pH 1 - 6, mass. 1 bar Probe for peracetic acid 5 - 2.000 ppm, 0 - 45 °C, pH 1 - 6, mass. 1 bar

Ozone:

201220	Sonda per ozono 0,005 - 2 mg/l, 0 - 45 °C, pH 4 - 9, mass. 1 bar Probe for ozone 0,005 - 2 ppm, 0 - 45 °C, pH 4 - 9, mass. 1 bar
201225	Sonda per ozono 0,05 - 20 mg/l, 0 - 45 °C, pH 4 - 9, mass. 1 bar Probe for ozone 0,05 - 20 ppm, 0 - 45 °C, pH 4 - 9, mass. 1 bar

Chlorite:

201190	Sonda per clorito 0,005 - 2 mg/l, 1 - 40 °C, pH 6 - 9, mass. 5 bar Probe for chlorite 0,005 - 2 ppm, 1 - 40 °C, pH 6 - 9, mass. 5 bar
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Bromine:

201240	Sonda per bromo 0,05 - 2 mg/l, 1 - 45 °C, pH 6,5 - 9,5 mass. 1 bar Probe for bromine 0,05 - 2 ppm, 1 - 45 °C, pH 6,5 - 9,5 mass. 1 bar
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pH probe (only for products 201015...201019pH)

add also free chlorine probe

285016	Sonda pH (conduttività > 50 µS/cm), mass. 1 bar Probe pH (conductivity higher than 50 µS/cm), max. 1 bar
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Basic version analysis with amperometric probe

Ω DUROMAT® in box basic version with amperometric probe (probe and prefilter are excluded from the price)		Amperometric analyzer 230/24V 50-60Hz 201018 24V AC/DC 201019
Ω DUROMAT® on plate basic version with amperometric probe (probe and prefilter are excluded from the price)		Amperometric analyzer 230/24V 50-60Hz 201015 24V AC/DC 201016
Optional (necessary for functioning):		
Amperometric probe	See above	
Optional (not mandatory for functioning):		
Cleaning set	For road transport For air transport	200014 20014S
Pressure reducer	1/4", 1-8bar	200022
Prefilter	Length 5", Filtration degree: 60μ	200176



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Version with amperometric probe (free chlorine) with pH value measurement (with pH value compensation)

Ω DUROMAT® in box version with amperometric probe (free chlorine) and pH value measurement (probe and prefilter are excluded from the price)		Amperometric analyzer
		230/24V 50-60Hz 201018pH
		24V AC/DC 201019pH
Ω DUROMAT® On plate Version with amperometric probe (free chlorine) and pH value measurement (probe and prefilter are excluded from the price)		Amperometric analyzer
		230/24V 50-60Hz 201015pH
		24V AC/DC 201016pH
Optional (necessary for functioning):		
Amperometric probe	See above	
pH probe	Water conductivity > 50µS/cm	285016
Optional (not necessary for functioning):		
Cleaning set	For road transport For air transport	200014 20014S
Pressure reducer	¼", 1-8bar	200022
Prefilter	Length 5"	200176

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