



DUROMAT professional

Online water hardness and carbonate hardness analyzer

Colorimetric analyzer, with microprocessor
for hardness control in water

APPLICATION:

- Softening system • Demineralized water • Reverse osmosis • Boiler water
- Cooling tower • Pharmaceutical water • Process water • Food & Drink

The DUROMAT® professional system qualitatively controls the softening system, this allows you to avoid problems or damage caused by the hardness of the water, saving water, time and chemical products that would be required for any early regeneration to the softening system. With display of the measured hardness result.

PARAMETERS:

Water Hardness (Total hardness, Residual hardness),
Alkalinity (Carbonic hardness, positive m value)

FEATURES:

Low indicator consumption

- Easily replaceable reagent
- 5,000-10,000 analysis per 500ml reagent

Output

Relay outputs, Analogue output 0 (4) - 20mA,
SD card, Modbus (Canbus, profiBus optional)

LCD backlight display

shows measurement value, reagent,
alarm and relays status

Variety of measurement mode

- Continuous
- Time interval
- Volumetric analysis

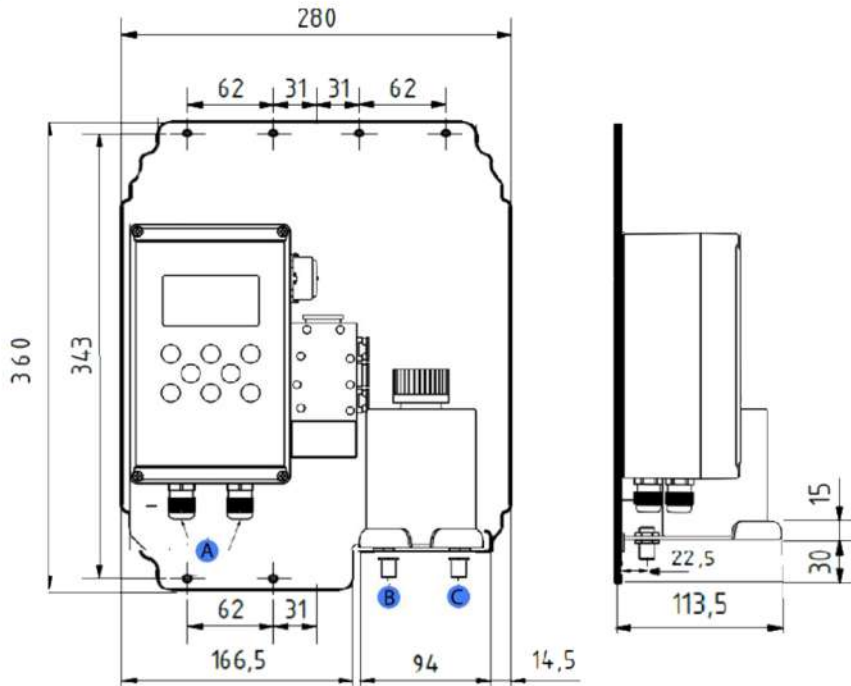


บริษัท สยาม พอลลูเทค จำกัด

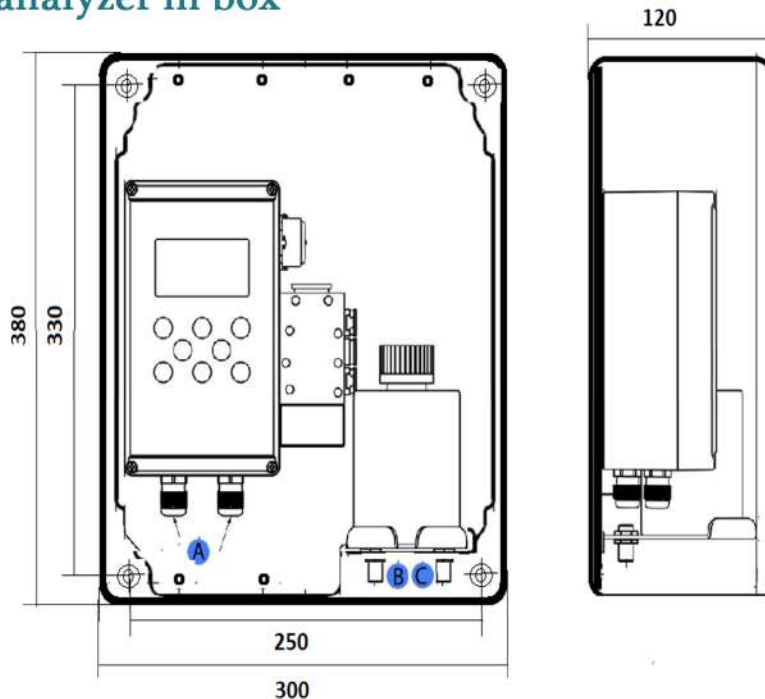
40/25 ซอยวชิรธรรมสาธิต 8 ถนนสุขุมวิท 101/1 บางนา กรุงเทพฯ 10260 โทร 089-131 0045, 089-147 9144, 02-747 8233
E-mail: info@siampollutek.com Line ID: @siampollutek www.siampollutek.com



○ Mounting analyzer on stand



○ Mounting analyzer in box



- The DUROMAT professional must be mounted upright -

A Cable gland for the electrical connection

B Water inlet - push-in fitting for tube with external diameter of 6mm

C Water drain - push-in fitting for tube with external diameter of 6 mm



Indicator range: Choose your indicator based on desired water hardness range
each bottle contains 500 ml, which can measure 5,000-10,000 analysis

○ Water Hardness

Reagent type	°f	°dH	°e	ppm	mg/l	mmol/l
500S/500	0.022-0.21	0.012-0.12	0.02-0.15	0.22-2.14	0.22-2.14	0.22-2.14
500/500	0.04-0.36	0.02-0.2	0.03-0.25	0.36-3.56	0.36-3.56	0.36-3.56
501/500	0.05-0.54	0.03-0.3°	0.04-0.38	0.53-5.34	0.53-5.34	0.53-5.34
502/500	0.11-1.07	0.06-0.6	0.075-0.75	1.067-10.7	1.067-10.7	1.067-10.7
503/500	0.16-1.61	0.09-0.9	0.11-1.13	1.60-16.02	1.60-16.02	1.60-16.02
505/500	0.27-2.68	0.15-1.5	0.19-1.88	2.67-26.70	2.67-26.70	2.67-26.70
510/500	0.54-5.36	0.3-3.0	0.38-3.76	5.34-53.4	5.34-53.4	5.34-53.4
520/500	1.07-10.71	0.6-6.0	0.8-7.5	10.7-106.8	10.7-106.8	10.7-106.8
530/500	1.61-16.07	0.9 - 9.0	1.13-11.28	16.02-160.2	16.02-160.2	16.02-160.2
550/500	2.68-26.79	1.5-15	1.9-18.8	26.7-267.00	26.7-267.00	26.7-267.00
600/500*	5.36-53.57	3.0-30	3.76-37.59	53.4-534	53.4-534	53.4-534

(*) need for on-site calibration

○ Alkalinity

Reagent type	°f	°dH	°e	ppm	mg/l	mmol/l
710/500	0.54-5.36	0.3-3.0	0.7-3.8	5.34-53.4	5.34-53.4	0.107-1.071
715/500	0.80-8.04	0.45-4.5	0.56-5.64	8.01-80.10	8.01-80.10	0.161-1.607
720/500	1.07-10.71	0.6-6.0	0.8-7.5	10.68-106.8	10.68-106.8	0.214-2.143
730/500	1.61-16.07	0.9-9.0	1.1-11.3	16.02-160.2	16.02-160.2	0.321-3.214

Reagent

Order

Part no.	Model	Description
200156	DUROMAT® professional	DUROMAT® professional mounted in a box
200155	DUROMAT® professional	DUROMAT® professional mounted on a plate
200013S	Cleaning set	Cleaning kit for DUROMAT
200020	Aerator	use to remove the CO2 in the water, 230V 50-60Hz
200030	Coolers	for water temperatures from 40 to 80 ° C
200031	Coolers	for water temperatures from 80 to 120 ° C



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