



# DENSITY, TEMPERATURE AND TIME MEASUREMENT

 **BOECO**  
Germany

# BOECO HYDROMETERS

## DENSITY HYDROMETERS

without thermometer, reference temperature 20°C (27,5°C upon request)  
Nominal range 0.100 g/cm<sup>3</sup> divided in 0,001

Range g/cm <sup>3</sup>	mm	Code
0.600-0.700	300	BOE 6700
0.700-0.800	300	BOE 6701
0.800-0.900	300	BOE 6702
0.900-1.000	300	BOE 6703
1.000-1.100	300	BOE 6704
1.100-1.200	300	BOE 6705
1.200-1.300	300	BOE 6706
1.300-1.400	300	BOE 6707
1.400-1.500	300	BOE 6708
1.500-1.600	300	BOE 6709
1.600-1.700	300	BOE 6710
1.700-1.800	300	BOE 6711
1.800-1.900	300	BOE 6712
1.900-2.000	300	BOE 6713
2.000-2.100	300	BOE 6714



BOE 6707

## DENSITY HYDROMETERS

without thermometer, reference temperature 20°C (27,5°C upon request)  
Nominal range 0.200 g/cm<sup>3</sup> divided in 0,002

Range g/cm <sup>3</sup>	mm	Code
0.600-0.800	320	BOE 6960
0.800-1.000	280	BOE 6961
1.000-1.200	280	BOE 6962
1.200-1.400	280	BOE 6963
1.400-1.600	280	BOE 6964
1.600-1.800	280	BOE 6965
1.800-2.000	280	BOE 6966



BOE 6960

## DENSITY HYDROMETERS

without thermometer, reference temperature 20°C (27,5°C upon request)  
Nominal range 0.300/0.400/0.500 g/cm<sup>3</sup> divided in 0,005

Range g/cm <sup>3</sup>	mm	Code
0.700-1.000	320	BOE 7000
1.000-1.300	280	BOE 7001
1.300-1.600	280	BOE 7002
1.000-1.500	280	BOE 7004
1.500-2.000	280	BOE 7005
2.000-2.500	280	BOE 7040
2.500-3.000	280	BOE 7041
3.000-3.500	280	BOE 7042
3.500-4.000	280	BOE 7043

## UNIVERSAL-DENSITY HYDROMETERS

without thermometer, reference temperature 20°C (27,5°C upon request)

Range g/cm <sup>3</sup>	mm	Code
0.700-2.000	330	BOE 7020
1.000-2.000	280	BOE 7021

## UNIVERSAL-HYDROMETERS AND BAUMÉ-SCALE

without thermometer, reference temperature 20°C (27,5°C upon request)

Range g/cm <sup>3</sup>	mm	Code
0.700-2.000	330	BOE 7019
1.000-2.000	280	BOE 7022

## ASTM E100 HYDROMETERS

Specific gravity 82H-90H  
Nominal range 0..50/0.0005  
Temp. 60/60 °F

Range		mm	Code
0.600-6.500		330	BOE 6149
0.650-0.700	82H	330	BOE 6150
0.700-0.750	83H	330	BOE 6151
0.750-0.800	84H	330	BOE 6152
0.800-0.850	85H	330	BOE 6153
0.850-0.900	86H	330	BOE 6154
0.900-0.950	87H	330	BOE 6155
0.950-1.000	88H	330	BOE 6156
1.000-1.050	89H	330	BOE 6157
1.050-1.100	90H	330	BOE 6158
0.950-1.100	98H	330	BOE 6165

## ASTM E100 SOIL-HYDROMETERS

for the determination of particle size distribution in soil  
Standard temp. 68/68 °F

Range		mm	Code
0.995-1.038/0,001	151 H	280	BOE 6050
-5 - +60/1	152 H	280	BOE 6055

## ASTM E100 HYDROMETERS

API gravity 51H-60H  
Nominal range 12° API/0.1  
Thermometer scale: 0-150/2,0 °F, with red filling liquid in the body  
Temp. 60 °F

Range		mm	Code
-1-11	51H	380	BOE 3061
9-21	52H	380	BOE 3062
19-31	53H	380	BOE 3063
29-41	54H	380	BOE 3064
39-51	55H	380	BOE 3065
49-61	56H	380	BOE 3066
59-71	57H	380	BOE 3067
69-81	58H	380	BOE 3068
79-91	59H	380	BOE 3069
89-101	60H	380	BOE 3070



BOE 6055



BOE 1330

## BRIX-HYDROMETERS

without thermometer, reference temperature 20°C (27,5°C upon request)  
Nominal range 10/0,1 Brix

Range °Brix	mm	Code
0-10	260	BOE 1330
10-20	260	BOE 1331
20-30	260	BOE 1332
30-40	260	BOE 1333
40-50	260	BOE 1334
50-60	260	BOE 1335
60-70	260	BOE 1336
70-80	260	BOE 1337
80-90	260	BOE 1338

## BRIX-HYDROMETERS

with thermometer, reference temperature 20°C (27,5°C upon request)  
Nominal range 10/0,1 Brix, Thermo range 0-40 °C/1,0 °C, with red filling liquid in the body

Range °Brix	mm	Code
0-10	350	BOE 1340
10-20	350	BOE 1341
20-30	350	BOE 1342
30-40	350	BOE 1343
40-50	350	BOE 1344
50-60	350	BOE 1345
60-70	350	BOE 1346
70-80	350	BOE 1347
80-90	350	BOE 1348



BOE 4085



BOE 4054

## LACTOMETERS

plain form, type Quevenne "Original"  
Range 15-40/1,0, reference temperature 20°C (15°C upon request)

Range	mm	Code
15-40	210	BOE 4080

## THERMO-LACTOMETERS

type Quevenne "Original" with thermometer with red filling liquid in the body  
Thermo range 0-40/1,0°C  
Range 15-40/1,0, reference temperature 20°C (15°C upon request)

Range	mm	Code
15-40	280	BOE 4079
15-40	280	BOE 4085

## LACTOMETERS

plain form, type Gerber "Original"  
Range 1.020-1.040/0.0005  
reference temperature 20°C (15°C, 27,5°C upon request)

Range g/ml	mm	Code
1.020-1.040	230	BOE 4054

## THERMO-LACTOMETERS

type Gerber with thermometer with red filling liquid in the body  
Thermo range 0-40/1,0°C  
Range 1.020-1.040/0.0005  
reference temperature 20°C (15°C, 27,5°C upon request)

Range g/ml	mm	Code
1.020-1.040	280	BOE 4052

## ALCOHOLOMETERS

Commercial grade, reference temperature 20°C  
Range 0 - 100/1,0

%vol	mm	Code
0-100	265	BOE 2910
0-100 dual scale	265	BOE 2970

## THERMO-ALCOHOLOMETERS

Commercial grade, reference temperature 20°C  
with thermometer 0-35/1,0°C with red filling liquid in the body

%vol	mm	Code
0-100/1,0	290	BOE 2912

## ALCOHOLOMETERS

Type Gay-Lussac, 0-35/1,0°C  
standard temperature 15°C

Range %vol Gl	mm	Code
0-100	265	BOE 2944

## THERMO-ALCOHOLOMETERS

Type Gay-Lussac, with thermometer 0-35/1,0°C with red filling liquid in the body, standard temperature 15°C

Range %vol Gl	mm	Code
0-100	290	BOE 2946

## ALCOHOLOMETERS

Type Richter + Tralles  
standard temperature 20°C

%vol %mas	mm	Code
0-100	265	BOE 2940

## THERMO-ALCOHOLOMETERS

Type Richter + Tralles, with thermometer 0-35/1,0°C with red filling liquid in the body. standard temperature 20°C

%vol %mas	mm	Code
0-100	290	BOE 2942

## ALCOHOLOMETERS EC CLASS II

standard temperature 20°C  
Nominal range 10% / 0,1% vol.

Range %vol	mm	Code
00-10	360	BOE 2610
10-20	360	BOE 2611
20-30	360	BOE 2612
30-40	360	BOE 2613
35-45	260	BOE 2620
40-50	360	BOE 2614
50-60	360	BOE 2615
60-70	360	BOE 2616
70-80	360	BOE 2617
80-90	360	BOE 2618
90-100	360	BOE 2619



BOE 2944



BOE 2940

## BAUMÉ-HYDROMETERS

plain form, without thermometer, nominal range 10/1,0  
reference temperature 20°C (15°C, 27,5°C upon request)

Range °Be	mm	Code
00-10	220	BOE 1810
10-20	220	BOE 1811
20-30	220	BOE 1812
30-40	220	BOE 1813
40-50	220	BOE 1814
50-60	220	BOE 1815
60-70	220	BOE 1816



BOE 1831

## BAUMÉ-HYDROMETERS

plain form, without thermometer, nominal range 10/0,1  
reference temperature 20°C (15°C, 27,5°C upon request)

Range °Be	mm	Code
00-10	280	BOE 1830
10-20	280	BOE 1831
20-30	280	BOE 1832
30-40	280	BOE 1833
40-50	280	BOE 1834
50-60	280	BOE 1835
60-70	280	BOE 1836

## BAUMÉ-HYDROMETERS

plain form, without thermometer, Nominal range 20/1,0  
reference temperature 20°C (15°C, 27,5°C upon request)

Range °Be	mm	Code
00-20	240	BOE 1980
20-40	240	BOE 1981
40-60	240	BOE 1982
10-30	240	BOE 1985
30-50	240	BOE 1986
50-70	240	BOE 1987

## BAUMÉ-HYDROMETERS

plain form, without thermometer, nominal range 20/0,1  
reference temperature 20°C (15°C, 27,5°C upon request)

Range °Be	mm	Code
00-20	330	BOE 2030
20-40	330	BOE 2031
40-60	330	BOE 2032
10-30	330	BOE 2035
30-50	330	BOE 2036
50-70	330	BOE 2037

## BAUMÉ-HYDROMETERS

plain form, without thermometer, range finder,  
reference temperature 20°C (15°C, 27,5°C upon request)  
Nominal range / 1,0

Range °Be	mm	Code
00-50	250	BOE 2115
00-70	250	BOE 2126



BOE 7019

# TIMER

## MECHANICAL TIMER

0-60 min, sec. alarm, housing colour white/blue

### Code

BOE 124



## DIGITAL STOPWATCH

waterproof,  
Stopwatch precision 1/100 seconds first 30 min, 1 sec. up to max 24 h,  
2 splits memory  
Chronograph up to 23 hours, 59 minutes, 59,99 seconds  
Calendar shows day, week, month and year  
Daily alarm, hourly chime and snooze function  
Time shows second, minute, hour, AM/PM & 12/24 switch  
With batteries (button cells, 2pcs)

### Code

BOE 260



## DIGITAL TIMER

Count down 99 min., 59 sec., alarm when countdown reaches  
“zero”, magnet, silver, with battery (1 pc. button cell SR 44 1,5 V.)

### Code

BOE 200



## DIGITAL TIMER

Count down/up timer, 99 min. 59 sec. alarm when countdown reaches  
“zero”, magnet, blue, with battery (AAA, 1 pc.)

### Code

BOE 210



## 2-LINE DIGITAL TIMER, JUMBO DISPLAY

2 independent timers in one model. Count down/Count up timer and  
clock in one. Count down/up 99 hrs. 59 min., 59 sec., alarm when count-  
down reaches “zero”, clip for hanging and standing, magnet,  
with battery (AAA 1,5 V 1 pc.)

### Code

BOE 220



## 3-LINE DIGITAL TIMER, JUMBO DISPLAY

Displays current time, alarm time and month & date or 3 channels timer  
timing. Count down/up 99 hrs. 59 min., 59 sec., alarm when countdown  
reaches “zero”, distinct alarms for each channel. Clip for hanging and stand-  
ing, magnet, with battery (AAA 1,5 V 1 pc.)

### Code

BOE 225



# THERMOMETERS



## DIAL BIMETAL POCKET THERMOMETER

Measuring range: - 10°C to + 100°C / 1°C  
Measuring probe st. steel, 125mm and protective plastic sleeve.

### Code

BOE 316



## DIGITAL POCKET THERMOMETER

Measuring range: - 50°C to + 300°C / 0,1°C  
Measuring probe st. steel, 120mm and protective plastic sleeve.  
Min/Max memory, Measuring time 1 or 10 sec.  
Selectable °C/°F, with battery (button cell, 1 pc.)

### Code

BOE 310



## DIGITAL WATERPROOF THERMOMETER

Pocket size, with easy to read Jumbo Display  
Measuring range: - 50°C to + 300°C  
Accuracy:  $\pm 1^\circ\text{C}$  in the range of  $-30^\circ$  till  $+150^\circ$ , otherwise  $\pm 2^\circ\text{C}$   
Visible 115 mm stainless steel piercing sensor probe  
IP67 waterproof.  
Alarm at high-/low temperature  
Max/Min ( $^\circ\text{C}$ ) Memory recalling. One hour auto shut off  
With battery, (button cell, 1 pc.)

### Code

BOE 311



## DIGITAL WATERPROOF THERMOMETER

Measuring range: - 50°C to + 300°C  
Resolution:  $\pm 0,1^\circ\text{C}$  for  $19,9^\circ$  till  $+199,9^\circ$ , otherwise  $1^\circ\text{C}$   
Accuracy  $\pm 1^\circ\text{C}$  in the range of  $151^\circ\text{C}$  till  $+ 250^\circ\text{C}$ , otherwise  $\pm 2^\circ\text{C}$ .  
130 mm stainless steel temperature sensor probe, with 1 metre wire,  
alarm at high-/low temperature  
Selectable  $^\circ\text{C}/^\circ\text{F}$ , Max/Min ( $^\circ\text{F}/^\circ\text{C}$ ) memory recalling  
without auto shutt off - **suitable for overnight Max/Min measurements**  
IPX5 waterproof.  
With battery (button cell, 1 pc.)

### Code

BOE 305



# MAX/MIN THERMOMETER

## MAXIMA/MINIMA THERMOMETER

mercury free

Measuring range: -30°C to + 50°C

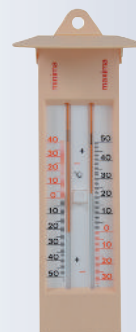
with push button for automatic resetting

Ivory coloured plastic housing with removable top shield and eyelet for wall mounting

Size: 230 x 55 mm

### Code

BOE 23940



## DIGITAL MAX/MIN THERMOMETER

Display with current temperature, minimum temperature and maximum temperature

Indoor/outdoor minimum and maximum temperature measurement

Temperature measuring range:

Indoor: -5°C to + 50°C (+23°F to +122°F)

Outdoor: -50°C to + 70°C (-58°F to +158°F)

With sensor probe for outdoor minimum and maximum temperature measurement

Supplied with wire holder for fixing sensor probe on wall

Table standing and hanging features

Size: 66 x 68 x 21 mm (L x W x H)

Battery: 1 x button cell

### Code

BOE 325



## DIGITAL JUMBO MAX/MIN THERMOMETER

°F/°C, Max/Min (°F/°C) memory

Instant reading of Max/Min temperature record or High/low alarm setting

Alerting alarm beeps and flashing symbol displays when temperature reaches/beyond the pre-set limit

Jumbo LCD Display with digit height 35 mm

Flip out stand and hanging hole at the back of the unit

Measuring range: -50°C to +70°C or -58°F to +158°F

Accuracy: 1°C or ±1,8°F in the range of 0°C to +50°C or 32°F to +122 °F

otherwise more than ±1°C or ±1,8°F

Resolution: 0,1° for the whole range

Ambient temp. for the plastic case:

0°C till +50°C or 32°F till +122°

External sensor: 3m sensor wire with probe (22,5 x ø 5,5 mm) for outdoor temperature measurement

Size: 120 x 110 x 25 mm,

Battery: 1 x AAA (1,5VDC) battery incl.

### Code

BOE 328



# THERMO-HYGROMETERS

## DIGITAL MAX/MIN THERMO HYGROMETER



Current Indoor and Outdoor temperature,  
and indoor humidity in the display

Indoor/Outdoor min. / max. measurement by pressing the MAX./MIN key

Measuring range:

IN: 0°C to + 50°C / 1°C (+32°F to 122°F)

OUT: - 50°C to + 70°C / 1°C (-58°F to +158°F)

Indoor hygro range: 20 to 98 RH / ± 5%

Supplied with 1,5 m cable sensor probe for outdoor min.

and max temp. measurement

Size: 123 x 70 x 20 mm,

Battery: 1 xAAA (1,5VDC) battery included

### Code

BOE 326

## DIGITAL THERMO- / HYGROMETER



Dual LCD display with indoor temp. and relative  
indoor humidity at the same time.

Measuring range:

Indoor temp.: 0°C to + 50°C /1°C

Rel. humidity indoor: 25% to 95%/1%

with battery (AAA, 1pc.)

### Code

BOE 330

## DIGITAL THERMO-HYGROMETER & CLOCK



Display Indoor Temperature and Humidity, Outdoor temperature  
record the maximum and minimum temperature and humidity  
°C and °F switch

Freeze alert from -1°C to +4°C

Temperature measuring range:

Indoor: -10 to + 50°C (+14 to +122 °F)

Outdoor: -5 to + 70°C (-58 to + 158°F)

Humidity measuring range:

20 – 99 %RH

Accuracy:

± 1°C,

± 5% RH

1 x battery (AAA) incl.

### Code

BOE 327