



# OPTICAL INSTRUMENTS

 **BOECO**  
Germany

# BINOCULAR MICROSCOPES

## BOECO LABORATORY BINOCULAR MICROSCOPE MODEL BM-800



- Optical System: Infinity corrected system, field diameter 22 mm  
 Viewing Head: Bin- or Trinocular compensation free Head, 30° inclined, 360° rotatable, Interpupillary Distance 48 - 75 mm
- Nosepiece: Backward quintuple revolving nosepiece  
 Eyepiece: Larger viewing area with extra wide field eyepiece EWF 10X /22 mm
- Objectives: BOECO Infinity corrected Plan Achromat Objective 4x/0.10  
 BOECO Infinity corrected Plan Achromat Objective 10x/0.25  
 BOECO Infinity corrected Plan Achromat Objective 40x/0.65, spring loaded  
 BOECO Infinity corrected Plan Achromat Objective 100x/1.25, Oil, spring loaded
- Stage: Large sized double layer mechanical specimen stage. 185 x 142 mm, Moving range 75 x 55 mm,
- Focusing: Coaxial coarse and calibrated fine focus control, graduated 0,002 mm, Safety autofocus stop unit.
- Condenser: Swing condenser, N.A. 0,9/0,25,  
 Field diaphragm: With aspherical condenser and Köhler Illumination  
 Illumination: 12V 30W external Halogen lamp, light intensity adjustable.
- Body /power: Modern and ergonomic body made from die-cast aluminium with inbuilt power supply
- Supplied with: Dust cover, immersion oil, 1 spare halogen bulb and instruction manual
- Dimension: 280 x 358 x 304/416 mm,

Code	Description
BOE 8000.550	Model BM-800/I/PL, 220V 50/60 Hz
BOE 8000.551	Model BM-800/I/PL, 110V 60 Hz
BOE 8000.560	Model BM-800/T/I/PL, 220V 50/60 Hz
BOE 8000.561	Model BM-800/T/I/PL, 110V 60 Hz

## ACCESSORIES

Code	Description
BOE 8000.301	EWF eyepiece 10X/22
BOE 1800.552	BOECO Infinity Plan Achromatic Objective 4X
BOE 1800.553	BOECO Infinity Plan Achromatic Objective 10X
BOE 1800.559	BOECO Infinity Plan Achromatic Objective 20X
BOE 1800.554	BOECO Infinity Plan Achromatic Objective 40X (S)
BOE 1800.555	BOECO Infinity Plan Achromatic Objective 100X (S) (Oil)
BOE 8000.305	Dark Field Condenser (Dry) NA 0,9
BOE 8000.306	Dark Field Condenser (Oil) NA 1,25-1,36
BOE 8000.903	Turret Annular Phase Contrast Kit, consisting of: Phase Contrast Plan-achromatic Objectives 10X,20X(S), 40X(S), 100X(S,Oil), Turret Annular Phase, Contrast Condenser, Centering Telescope, Green Filter
BOE 8000.906	Epi-Fluorescent Attachment complete set B (Blue), G (Green) Exciting Light Filter system, O Ordinary Light System, 100WHBO Ultra Hi-voltage Spherical Mercury Lamp, Barrier to resist the Ultraviolet light Power Supply with Digital Display, AC Input 220V/110V, Fluorescence Free Objective 4X, 10X, 40X(S), 100X

# BOECO BINOCULAR MICROSCOPE MODEL BM-180 SP



OUR STANDARD  
MICROSCOPE FOR  
SCIENTIFIC, MEDICAL  
AND EDUCATION NEEDS.



BOECO SEMI-PLAN ACHROMAT DIN  
OBJECTIVES



EASY REPLACE OF LAMP

### Specification BM-180/SP:

- Magnification: 40X- 1600X
- Optical Head: Sliding Binocular Head, 45° inclined, 360° rotatable, Interpupillary Distance 55 - 75 mm
- Nosepiece: Quadruple revolving nosepiece
- Eyeiece: Pair Eyeiece WF 10X /18 mm Widefield  
Pair Eyeiece P 16X
- Objectives: BOECO Semi-plan Achromat DIN Objective 4x/0.10  
BOECO Semi-plan Achromat DIN Objective 10x/0.25  
BOECO Semi-plan Achromat DIN Objective 40x/0.65, spring loaded  
BOECO Semi-plan Achromat DIN Objective 100x/1.25, Oil, spring loaded
- Stage: Double layer mechanical specimen stage. 140 x 140 mm  
Travel area 75 x 50 mm, Right hand stage handle
- Focusing: Low position, coaxial coarse and calibrated fine focus control, with graduation reading 2 microns per division. Total focusing range 20 mm., Safety autofocus stop unit.
- Condenser: Abbè Brightfield condenser, n.A. 1,25, Integrated Iris diaphragm and filter tray. With rack & pinion height adjustment
- Illumination: 6V 20W Halogen, light intensity adjustable.
- Body /power: Sturdy body with supportive rubber and inbuilt power supply 110-240V
- Supplied with: Dust cover, blue + green filter, immersion oil, 1 spare halogen bulb and instruction manual
- Dimension: 170(W) x 250(D) x 375(H) mm
- Weight: Netweight 7,65 kgs, Grossweight 9,5 kg
- Packing: Two styrofoam shelves in a cardboard box, 290(W)x330(D)x530(H) mm



TRINOCULAR MODEL BM-180/T/SP

Art.No	Model	Head	Objective type	Objective Magnification	Voltage
BOE 1800.200	BM-180/SP	Binocular, Sliding	Semi-plan-Achromatic	4X, 10X, 40X, 100X (Oil)	220 V
BOE 1800.201	BM-180/SP	Binocular, Sliding	Semi-plan-Achromatic	4X, 10X, 40X, 100X (Oil)	110 V
BOE 1800.230	BM-180/T/SP	Trinocular, Sliding	Semi-plan-Achromatic	4X, 10X, 40X, 100X (Oil)	220 V
BOE 1800.231	BM-180/T/SP	Trinocular, Sliding	Semi-plan-Achromatic	4X, 10X, 40X, 100X (Oil)	110 V

BOE 1800.200-LED Binocular Model BM-180/SP as above but with 9V/6W LED illumination and rechargeable battery



BM-180//PL WITH  
COMPENSATION  
FREE, SEIDENTOPF  
TYPE HEAD AND  
INFINITE OPTICAL  
SYSTEM.



BM-180/T//PL WITH  
COMPENSATION  
FREE, SEIDENTOPF  
TYPE HEAD AND  
INFINITE OPTICAL  
SYSTEM.



## BOECO BINOCULAR MICROSCOPE MODEL BM-180//AC

### Specification BM-180//AC:

Magnification: 40X- 1600X  
Optical Head: Compensation free Seidentopf Binocular Head with Infinity corrected optical system, 30° inclined, 360° rotatable, Interpupillary Distance 55 - 75 mm  
Nosepiece: Quadruple revolving nosepiece  
Eyepiece: Pair Eyepiece WF 10X /18 mm Widefield  
Pair Eyepiece P 16X  
Objectives: BOECO Infinite Achromat DIN Objective 4x/0.10  
BOECO Infinite Achromat DIN Objective 10x/0.25  
BOECO Infinite Achromat DIN Objective 40x/0.65, spring loaded  
BOECO Infinite Achromat DIN Objective 100x/1.25, Oil, spring loaded  
Stage: Double layer mechanical specimen stage. 140 x 140 mm  
Travel area 75 x 50 mm, Right hand stage handle  
Focusing: Low position, coaxial coarse and calibrated fine focus control, with graduation reading 2 microns per division. Total focusing range 20 mm., Safety autofocus stop unit.  
Condenser: Abbè Brightfield condenser, n.A. 1,25, Integrated Iris diaphragm and filter tray. With rack & pinion height adjustment  
Illumination: 6V 20W Halogen, light intensity adjustable.  
Body /power: Sturdy body with supportive rubber and inbuilt power supply 110-240V  
Supplied with: Dust cover, blue + green filter, immersion oil, 1 spare halogen bulb and instruction manual  
Dimension: 170(W) x 250(D) x 375(H) mm  
Weight: Netweight 7,65 kgs, Grossweight 9,5 kg  
Packing: Two styrofoam shelves in a cardboard box, 290(W)x330(D)x530(H) mm

Art.No	Model	Head	Objective type	Objective Magnification	Voltage
BOE 1800.500	BM-180//AC	Binocular, Seidentopf	Infinite Achromatic	4X, 10X, 40X, 100X (Oil)	220 V
BOE 1800.501	BM-180//AC	Binocular, Seidentopf	Infinite Achromatic	4X, 10X, 40X, 100X (Oil)	110 V
BOE 1800.530	BM-180/T//AC	Trinocular, Seidentopf	Infinite Achromatic	4X, 10X, 40X, 100X (Oil)	220 V
BOE 1800.531	BM-180/T//AC	Trinocular, Seidentopf	Infinite Achromatic	4X, 10X, 40X, 100X (Oil)	110 V
BOE 1800.550	BM-180//PL	Binocular, Seidentopf	Infinite Plan-Achromatic	4X, 10X, 40X, 100X (Oil)	220 V
BOE 1800.551	BM-180//PL	Binocular, Seidentopf	Infinite Plan-Achromatic	4X, 10X, 40X, 100X (Oil)	110 V
BOE 1800.560	BM-180/T//PL	Trinocular, Seidentopf	Infinite Plan-Achromatic	4X, 10X, 40X, 100X (Oil)	220 V
BOE 1800.561	BM-180/T//PL	Trinocular, Seidentopf	Infinite Plan-Achromatic	4X, 10X, 40X, 100X (Oil)	110 V

## BOECO ACCESSORIES FOR BOECO MICROSCOPE BM-180

### Objectives

Code	Description
BOE 1800.403	BOECO DIN Achromatic Objective 4X
BOE 1800.402	BOECO DIN Achromatic Objective 10X
BOE 1800.404	BOECO DIN Achromatic Objective 40X (S)
BOE 1800.406	BOECO DIN Achromatic Objective 100X (S) (Oil)
BOE 1800.413	BOECO Black Semi-plan Achromat DIN Objective 4X
BOE 1800.414	BOECO Black Semi-plan Achromat DIN Objective 10X
BOE 1800.415	BOECO Black Semi-plan Achromat DIN Objective 40X (S),
BOE 1800.416	BOECO Black Semi-plan Achromat DIN Objective 100X (S)(Oil)
BOE 1800.502	BOECO Infinite Achromatic Objective 4X
BOE 1800.503	BOECO Infinite Achromatic Objective 10X
BOE 1800.504	BOECO Infinite Achromatic Objective 40X (S)
BOE 1800.505	BOECO Infinite Achromatic Objective 100X (S) (Oil)
BOE 1800.552	BOECO Infinite Plan Achromatic Objective 4X
BOE 1800.553	BOECO Infinite Plan Achromatic Objective 10X
BOE 1800.554	BOECO Infinite Plan Achromatic Objective 40X (S)
BOE 1800.555	BOECO Infinite Plan Achromatic Objective 100X (S) (Oil)



OBJECTIVES

## Eyepieces

Code	Description
BOE 1800.301	Wide Field Eyepiece WF 10x, pc.
BOE 1800.302	Wide Field Eyepiece WF 10x with Pointer, pc.
BOE 1800.303	Wide Field Eyepiece WF 10x with 0,1 Micrometer, pc.
BOE 1800.304	Eyepiece P 16x, pc.

## Viewing Heads

Code	Description
BOE 1800.060	Sliding Binocular Head, 45° inclined,
BOE 1800.300	Sliding Trinocular Head
BOE 1800.360	Compensation free Binocular Head, with infinite optical system
BOE 1800.361	Compensation free Trinocular Head, with infinite optical system

## Video- and Photadapter, Digital Camera Eyepieces

Code	Description
BOE 1800.802	1x Video Attachment with C mount
BOE 1800.803	0,5x Video Attachment with C mount
BOE 1800.808	Adapter NDPL-1 with 2x magnification for NIKON SLR camera
BOE 1800.809	T adapter ring NDPL-1 with NIKON SLR camera
BOE 1800.806	HDCE-20 Digital Camera Eyepiece Digital Camera eyepiece with 2 Million pixel USB 2,0 connection and software
BOE 1800.807	HDCE-30 Digital Camera Eyepiece Digital Camera eyepiece with 3 Million pixel USB 2,0 connection and software

## Phase Contrast Kits's

Code	Description
BOE 1800.902	Single Annular Phase Contrast Kit, consisting of: Phase Contrast Achromatic Objectives & Diaphragms PH10X, PH40X & PH100X, Centering Telescope
BOE 1800.903	Turret Annular Phase Contrast Kit, consisting of: Phase Contrast Plan-achromatic Objectives 10X, 20X(S), 40X(S), 100X(S,Oil), Turret Annular Phase Contrast Condenser, Centering Telescope, Green Filter
BOE 1800.904	Sliding Phase Contrast Kit, consisting of: Sliding Phase Contrast Condenser 10x,40x, Green Filter Achromatic Phase Contrast Objectives PH10X, PH40X, Centering Telescope

## Dark Field Condenser

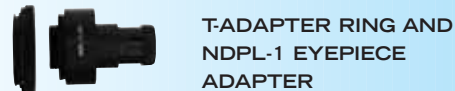
Code	Description
BOE 1800.305	Dark Field Condenser (Dry) NA 0,9
BOE 1800.306	Dark Field Condenser (Oil) NA 1,25-1,36
BOE 1800.412	Achromatic Objective 100X for Dark Field
BOE 1800.417	Plan-Achromatic Objective 100X for Dark Field

## Koehler Illumination set

Code	Description
BOE 1800.702	Collector, Field Iris Diaphragm and Auxiliary Lens for Koehler Illumination

## Epi Fluorescent Attachment

Code	Description
BOE 1800.906	Epi-Fluorescent Attachment complete set B (Blue), G (Green) Exciting Light Filter system, O Ordinary Light System, 100WHBO Ultra Hi-voltage Spherical Mercury Lamp, Barrier to resist the Ultraviolet light, Power Supply with Digital Display, AC Input 220V/110V, Fluorescence Free Objective 4X, 10X, 40X(S), 100X(S,Oil)



PHASE CONTRAST KITS'S



DARK FIELD CONDENSER



## BOECO ROUTINE BINOCULAR MICROSCOPE MODEL BM-120



### Specification BM-120:

Magnification: 40X- 1000X  
 Optical Head: Compensation Free Binocular Head, 30° inclined, 360° rotatable, Interpupillary Distance 55 - 75 mm  
 Nosepiece: Quadruple revolving nosepiece  
 Eyepiece: Pair Eyepiece WF 10X /18 mm Widefield  
 Objectives: BOECO Achromat DIN Objective 4x/0.10  
 BOECO Achromat DIN Objective 10x/0.25  
 BOECO Achromat DIN Objective 40x/0.65, spring loaded  
 BOECO Achromat DIN Objective 100x/1.25, Oil, spring loaded  
 Stage: Double layer mechanical specimen stage. 140 x 140 mm  
 Travel aerea 75 x 50 mm,  
 Focusing: Coaxial coarse and Fine Focus Adjustment,  
 Range 24 mm, Fine Division 2 microns safety autofocus stop unit.  
 Condenser: Abbè Brightfield condenser, n.A. 1,25, Integrated iris diaphragm and filter tray. With rack & pinion height adjustment  
 Illumination: 6V 20W Halogen, light intensity adjustable.  
 Body /power: Sturdy body with supportive rubber and inbuilt power supply  
 Supplied with: Dust cover, blue, filter, immersion oil,  
 1 spare Halogen bulb and instruction manual  
 Dimension: 178 x 227 x 360 mm, Netweight 6,20 kg  
 Packing: 360 x 260 x 465 mm, Grossweight 7,90 kg

Code	Description
BOE 1200.100	Model BM-120, 220V 50/60 Hz
BOE 1200.101	Model BM-120, 110V 60 Hz

## BOECO INVERTED BIOLOGICAL MICROSCOPE MODEL BIB-100



### Specification BIB-100:

Optical System: Infinity corrected system, field diameter 22 mm  
 Viewing Head: Bino- or Trinocular Head, 30° inclined, 360° rotatable, Interpupillary Distance 48 - 75 mm  
 Nosepiece: Quintuple revolving nosepiece  
 Eyepiece: High-point, Extra Wide Field Eyepiece EW 10X /22 mm  
 Objectives: LWD Infinity corrected Plan Achromat Objective 4X/0,1 WD 2.6 mm  
 LWD Infinity corrected Plan Achromat Objective 40X/0,8 WD 18 mm  
 Infinity corrected Plan Achromat Phase Objective 10X/0,25 WD 10 mm  
 Infinity corrected Plan Achromat Phase Objective 20X/0,4 WD 5.1 mm  
 Condenser: ELWD condenser NA 0.3. LWD 72 mm (without condenser 150 mm)  
 Centering: Centering Telescope 30 mm diam. Telescope Phase Annulus 10X -20X Phase Annulus Plate  
 Stage: Plain Stage 160 x 250 mm, Glass Insert  
 Auxiliary Stage 70 x 180 mm  
 Focusing: Coaxial coarse and fine adjustment. Vertical objective movement, Coarses stroke 37.7 mm per rotation, Fine Stroke: 0,2 mm per Rotation  
 Filter: Diameter 45 mm, Blue, Green and Ground Glass  
 Illumination: 12V 30W Halogen lamp, light intensity adjustable.  
 Body /power: Innovative stand structure with inbuilt power supply  
 Supplied with: Dust cover, immersion oil, 1 spare halogen bulb and instruction manual

Code	Description
BOE 5000.900	Model BIB-100, 220V 50/60 Hz
BOE 5000.901	Model BIB-100, 110V 60 Hz
BOE 5000.930	Model BIB-100/T, 220V 50/60 Hz
BOE 5000.931	Model BIB-100/T, 110V 60 Hz

### Accessories

BOE 5000.220	Terasaki Holder
BOE 5000.221	38 mm diam. petri dish holder
BOE 5000.222	54 mm diam. slide glass holder

# STEREO MICROSCOPES

## BOECO STEREO MICROSCOPE MODEL BTB-3C

### Specification BTB-3C:

Optical head	Binocular head inclined at 45° Interpupillary Distance 55 - 75 mm Eyepiece dioptic adjustment range $\pm 5D$
Working distance:	57 mm
Eyepiece:	WF10X/20 eyepieces
Stereo Optics:	Objectives 2x & 4X in revolving nosepiece
Illumination:	2-way illumination switch allows upper and lower illumination. Transmitted (lower) halogen light source 12V / 15 W, Incident (upper) Tungsten light source 12V / 10 W
Stage Plate:	Frosted glass stage plate and black/white reversible stage plate
Base:	Stable 300 x 225 mm base, fitted with anti-skid rubber feet
Dimensions:	300 (W) x 225 (L) x 300 (H) mm, Netweight 4,80
Packing:	380 x 340 x 410 cm, Grossweight 6,40 kg

Code	Description
BOE 3200.000	BTB-3C, 220 V
BOE 3200.001	BTB-3C, 110 V

optional	
BOE 3200.020	Wide Field Eyepiece WF 20x, pc, for BTB-3C



## BOECO ZOOM STEREO MICROSCOPE MODEL BTB-3A

### Specification BTB-3A:

Optical head:	Binocular head inclined at 45° Interpupillary Distance 55 - 75 mm Eyepiece dioptic adjustment range $\pm 5D$
Working distance:	95 mm
Field of View:	28,0 to 4.5 mm diam.
Eyepiece:	WF10X/20 eyepieces with eyeshadow
Zoom Optics:	0,7X to 4,5X , Zoom ratio 1:6,5
Illumination:	2-way illumination switch allows upper and lower illumination. Transmitted (lower) halogen light source 6V / 20 W. Incident (upper) halogen light source 6V / 15 W with reflector
Stage Plate:	Frosted glass stage plate and black/white reversible stage plate
Base:	Stable 300 x 225 mm base, fitted with anti-skid rubber feet Main Body 360° rotatable
Dimensions:	300 (W) x 225 (L) x 300 (H) mm, Netweight 6,15 kg
Packing:	400 x 340 x 670 cm, Grossweight 10,1 kg

Code	Description
BOE 3500.000	BTB-3A, 220 V
BOE 3000.001	BTB-3A, 110 V
BOE 3500.300	BTB-3A, Trinocular, 220 V
BOE 3000.301	BTB-3A, Trinocular, 110 V

optional	
BOE 3500.020	Wide Field Eyepiece WF 20x, pc, for BTB-3A





# MONOCULAR MICROSCOPES

## BOECO STUDENT MONOCULAR MICROSCOPE, MODEL 100



### Specification Modell 100:

Optical Head:	Monocular Head, 45° inclined, 360° rotatable,
Nosepiece:	Quadruple revolving nosepiece
Eyeiece:	Pair Eyepiece WF 10X /18 mm Widefield
Objectives:	Achromatic DIN Objective 4x/0.10 Achromatic DIN Objective 10x/0.25 Achromatic DIN Objective 40x/0.65, spring loaded Achromatic DIN Objective 100x/1.25, Oil, spring loaded
Stage:	Attachable mechanical stage. Travel aerea 60 x 30 mm,
Focusing:	Separate Coars & Fine Adjustment,
Condenser:	Abbè Brightfield condenser, n.A. 1,25, with iris diaphragm and filter. Spiral up and down adjustment
Illumination:	Halogen Lamp 6V 15W. light intensity adjustable
Supplied with:	Reflecting Mirror, Dust cover, spare bulb, spare fuse,
Dimension:	205 x 140 x 380 mm
Packing:	Styrofoam shelve in a cardboard box, 32x24x44 cm, 4,7 kg

Code	Description
BOE 1100.010	Model 100, 220V 50/60 Hz
BOE 1100.011	Model 100, 110V 60 H

## BOECO STUDENT MONOCULAR MICROSCOPE, MODEL 10



### Specification Modell 10:

Optical Head:	Monocular Head, 45° inclined, ,
Nosepiece:	Triple revolving nosepiece
Eyeiece:	Pair Eyepiece WF 10X /18 mm Widefield
Objectives:	Achromatic DIN Objective 4x/0.10 Achromatic DIN Objective 10x/0.25 Achromatic DIN Objective 40x/0.65, spring loaded
Stage:	Plain stage with attachable mechanical stage. 110 x 120 mm, Travel aerea 60 x 30 mm
Focusing:	Coaxial coarse and Fine Adjustment, Range 10 mm
Condenser:	Abbè Brightfield condenser, n.A. 1,25, with iris diaphragm and blue filter. Spiral Adjustment for Condenser
Illumination:	Incandescent Lamp 110V or 220V/20 W. Brightness adjustable
Supplied with:	Reflecting Mirror, Dust cover, spare bulb, spare fuse,
Dimension:	180x130x340 mm
Packing:	Styrofoam shelve in a cardboard box, 28x20x40 cm, 3,3 kg

Code	Description
Art. No.	BOE 1000.030 Model 10, 220V 50/60 Hz
Art. No.	BOE 1000.031 Model 10, 110V 60 Hz

### Optional accessories:

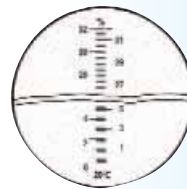
Eyepiece 5x, 16x
Eyepiece with pointer WF10x
Objective (DIN) 20x(S), 60x(S) 100x(S)
Wooden Case & Carton packing



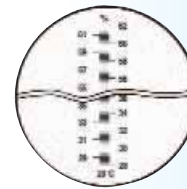
# B&C HAND REFRACTOMETER

## B&C HANDREFRACTOMETER

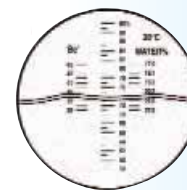
Code	Description
B&C 30103	Saccharic Concentration 0-32 % Resolution: 0,2 %



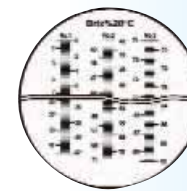
Code	Description
B&C 30104	Saccharic Concentration 28-62 % Resolution: 0,2 %



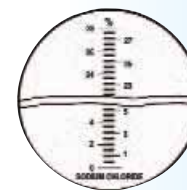
Code	Description
B&C 30106	Saccharic Concentration 58-90 % 58-90% Brix, 38°-43°Be', 17-27% water Resolution: 0,5 % Brix, 0,5° Be', 1% water (Sugar content, Baume and Water content)



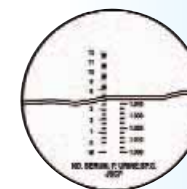
Code	Description
B&C 30107	Saccharic Concentration 0-90 % (3 ranges) 0-42%, 42-71%, 71-90% Resolution: 0,2 %



Code	Description
B&C 30202	Salinity 0-28 % Resolution: 0,2 %



Code	Description
B&C 30301	Protein in Serum 0-12g/dl. / 0,2% Urine Gravity 1.000-1.040 / 0,002 sg



Code	Description
B&C 32145	Portable Digital Refractometer Range: 0-45 % Brix Resolution: 0,1% Accuracy: ± 0,2 % Automatic temperature compensation Standard temperature 20°C Sample Volume: 0,1 - 0,3 ml Reaction time: about 3 seconds



# B&C ABBE REFRACTOMETER



## B&C ABBE REFRACTOMETER

complete with: 1 x set special thermometer (with protective shield) 1 pc. Standard Specimen, 1 x bottle Naphthalene bromide, 1 x screw driver, 1 x instruction manual.

### Specification:

Measuring range of ND:	1.300-1.700
Measuring accuracy of ND (room temperature):	± 0.0002
Minimum scale value for ND:	0.0005
Minimum scale value for the concentration of sugar content (%):	0.25
Measuring range of the concentration of sugar content (%):	0-95
Weight (kg):	4,0
Dimensions (mm):	40x100x235

Code	Description
B&C 32200	ABBE Refractometer

## B&C DIGITAL ABBE REFRACTOMETER

this instrument can widely be used in petroleum, chemical, pharmaceutical, sugar refining and food industries, as well as in related colleges, universities and scientific research institutions for measuring the refractive index ND of transparent or subtransparent liquid, or solid substance. This instrument can also be used to measure Brix (BX) of the sugar solution, and to correct the affect of temperature on the Brix automatically.

In addition the instrument can display the temperature of the sample. complete with: 1 x standard sample (standard block), 1 x bottle Naphthalene bromide, 1 x inner - hexagon spanner, 3 x Illuminating Bulb, 1 x Plastic Cover Hood, 3 x fuse, 1 x operating instructions



### Specification:

Measuring range:	
Refractive index ND:	1.300-1.700
Brix BX - TC:	0-95 %
Brix BX:	0-95 %
Measuring accuracy:	
Refractive index ND:	± 0.0002
Brix BX - TC:	± 0.1 %
Brix BX:	± 0.1 %
Temperature:	
Temperature displaying range:	0-50°C
Correcting range of BX versus temperature:	15-45°C
Weight (kg):	10,0
Dimensions (mm):	330x180x380

Code	Description
B&C 32400	Digital ABBE Refractometer