

IKA overhead stirrers are strong, sturdy and safe because we understand the most important aspects during development. From low to high viscosities, and with up to 200 liters of stirring volume, all mixing and stirring tasks constitute no challenge for our stirrers. This is a good foundation for differentiated functionalities, which include: a safety circuit, a clear display, convenient control using labworldsoft® laboratory software and a wide range of stirring tools. Whether it is propeller stirrers, anchor stirrers or spiral stirrers – you will find the right tool for all applications in our range.

## NANOSTAR 7.5 DIGITAL

/// Perfect basic functionality in the most compact of spaces



With 30% less volume and weighing just 0,8 kg, the NANOSTAR 7.5 digital overhead stirrer is even more space-saving than the MICROSTAR 7.5 digital – yet with the same performance rating.

### CONSTANT TORQUE

NANOSTAR 7.5 digital guarantees an absolutely constant torque over the entire speed range of 50 – 2000 rpm.

### EASE OF OPERATION

Operation takes place using a stable rotary knob. The display clearly shows the rotational speed.

### RAPID UPDATES

Regular software updates can be undertaken rapidly and simply via the USB interface.

**NANOSTAR 7.5 digital**

Ident. No. 0025004356

NEW!

Speed range:  
50 – 2000 rpm**MICROSTAR 7.5 digital**

Ident. No. 0025004715

**MICROSTAR 7.5 control**

Ident. No. 0025001984

**MICROSTAR 15 digital**

Ident. No. 0025004883

**MICROSTAR 15 control**

Ident. No. 0025001986

**MICROSTAR 30 digital**

Ident. No. 0025004884

**MICROSTAR 30 control**

Ident. No. 0025001987

Temperature  
sensor included

TECHNICAL DATA	NANOSTAR 7.5 DIGITAL	MICROSTAR 7.5 DIGITAL   CONTROL	MICROSTAR 15 DIGITAL   CONTROL	MICROSTAR 30 DIGITAL   CONTROL
Stirring quantity max. (H <sub>2</sub> O)	5 l	5 l	10 l	20 l
Speed range	0 / 50 – 2000 rpm	0 / 50 – 2000 rpm 0 / 30 – 2000 rpm	0 / 50 – 1000 rpm 0 / 30 – 1000 rpm	0 / 50 – 500 rpm 0 / 30 – 500 rpm
Viscosity max.	4000 mPas	4000 mPas	8000 mPas	20 000 mPas
Torque max. at stirring shaft	7.5 Ncm	7.5 Ncm	15 Ncm	30 Ncm
Temperature measuring range	–	–   -10 – 350 °C	–   -10 – 350 °C	–   -10 – 350 °C
Torque measurement	–	–   Trend	–   Trend	–   Trend
Chuck range diameter	0.5 – 8.2 mm	0.5 – 8.2 mm	0.5 – 8.2 mm	0.5 – 8.2 mm
Display	LED	LED   LCD	LED   LCD	LED   LCD
Dimensions (W × H × D)	53 × 147 × 130 mm	60 × 173 × 126 mm 60 × 173 × 136 mm	60 × 173 × 126 mm 60 × 173 × 136 mm	60 × 173 × 126 mm 60 × 173 × 136 mm
Protection class according to DIN EN 60529	IP 54	IP 54	IP 54	IP 54

**MINISTAR 20 digital**

Ident. No. 0025004885

**MINISTAR 20 control**

Ident. No. 0025001988

**MINISTAR 40 digital**

Ident. No. 0025004886

**MINISTAR 40 control**

Ident. No. 0025001989

**MINISTAR 80 digital**

Ident. No. 0025004887



Power package:  
80 Ncm

**MINISTAR 80 control**

Ident. No. 0025001990

**TECHNICAL DATA**Stirring quantity max. (H<sub>2</sub>O)**MINISTAR 20  
DIGITAL | CONTROL**

15 l

Speed range

0 / 50 – 2000 rpm

Viscosity max.

10 000 mPas

Torque max. at stirring shaft

20 Ncm

Temperature measuring range

– | -10 – 350 °C

Torque measurement

– | Trend

Chuck range diameter

0.5 – 8.2 mm

Display

LED | LCD

Dimensions (W × H × D)

70 × 193 × 147 mm  
70 × 193 × 154 mmProtection class according to  
DIN EN 60529

IP 54

**MINISTAR 40  
DIGITAL | CONTROL**

25 l

0 / 50 – 1000 rpm  
0 / 30 – 1000 rpm

30 000 mPas

40 Ncm

– | -10 – 350 °C

– | Trend

0.5 – 8.2 mm

LED | LCD

70 × 193 × 147 mm  
70 × 193 × 154 mm

IP 54

**MINISTAR 80  
DIGITAL | CONTROL**

50 l

0 / 50 – 500 rpm  
0 / 30 – 500 rpm

60 000 mPas

80 Ncm

– | -10 – 350 °C

– | Trend

0.5 – 8.2 mm

LED | LCD

70 × 193 × 147 mm  
70 × 193 × 154 mm

IP 54

**EUROSTAR 20 digital**

Ident. No. 0004442000

**EUROSTAR 40 digital**

Ident. No. 0004444000

**EUROSTAR 60 digital**

Ident. No. 0004446000

**EUROSTAR 60 control**

Ident. No. 0004440000



Quiet operation with  
brushless DC motor

**EUROSTAR 100 digital**

Ident. No. 0004238100

**EUROSTAR 100 control**

Ident. No. 0004028500

**EUROSTAR 200 digital**

Ident. No. 0003990000

**EUROSTAR 200 control**

Ident. No. 0003992000



TECHNICAL DATA	EUROSTAR 20 DIGITAL   40 DIGITAL	EUROSTAR 60 DIGITAL   CONTROL	EUROSTAR 100 DIGITAL   CONTROL	EUROSTAR 200 DIGITAL   CONTROL
Stirring quantity max. (H <sub>2</sub> O)	15 l   25 l	40 l	100 l	100 l
Speed range	0 / 30 – 2000 rpm	0 / 30 – 2000 rpm	0 / 30 – 1300 rpm	I: 0 / 6 – 400 rpm II: 30 – 2000 rpm
Viscosity max.	10 000   30 000 mPas	50 000 mPas	70 000 mPas	100 000 mPas
Torque max. at stirring shaft	20 Ncm   40 Ncm	60 Ncm	100 Ncm	I: 200 Ncm II: 40 Ncm
Chuck range diameter	0.5 – 10 mm	0.5 – 10 mm	0.5 – 10 mm	0.5 – 10 mm
Display	LED	LED   TFT	LED   TFT	LED   TFT
Temperature measuring range	–   –	–   -10 – 350 °C	–   -10 – 350 °C	–   -10 – 350 °C
Dimensions (W x H x D)	86 x 248 x 208 mm	86 x 248 x 208 mm 86 x 267 x 230 mm	86 x 248 x 208 mm 86 x 267 x 230 mm	91 x 274 x 209 mm 91 x 297 x 231 mm
Protection class according to DIN EN 60529	IP 42	IP 42   IP 40	IP 42   IP 40	IP 42   IP 40

**EUROSTAR 400 digital**

Ident. No. 0004214000

**EUROSTAR 400 control**

Ident. No. 0004214100

**EUROSTAR 20 high speed digital**

Ident. No. 0004028600

Cone seat for  
precision shaft**EUROSTAR 100 control P4**

Ident. No. 0025004384

**EUROSTAR 200 control P4**

Ident. No. 0004090000

Extremely powerful  
stirrer for highly viscous  
applications**TECHNICAL DATA**

	EUROSTAR 400 DIGITAL   CONTROL	EUROSTAR 20 HIGH SPEED DIGITAL   CONTROL	EUROSTAR 100 CONTROL P4	EUROSTAR 200 CONTROL P4
Stirring quantity max. (H <sub>2</sub> O)	150 l	20 l	100 l	100 l
Speed range	I: 6 – 400 rpm II: 30 – 2000 rpm	0 / 150 – 6000 rpm	10 – 300 rpm	I: 0 / 4 – 108 rpm II: 16 – 530 rpm
Viscosity max.	100 000 mPas	10 000 mPas	100 000 mPas	150 000 mPas
Torque max. at stirring shaft	I: 400 Ncm II: 80 Ncm	20 Ncm	320 Ncm	I: 660 Ncm II: 130 Ncm
Chuck range diameter	3 – 16 mm	–	0.5 – 10 mm	0.5 – 10 mm
Display	LED   TFT	LED   TFT	TFT	TFT
Temperature measuring range	–   -10 – 350 °C	–   -10 – 350 °C	-10 – 350 °C	-10 – 350 °C
Dimensions (W × H × D)	114 × 325 × 245 mm 114 × 345 × 268 mm	86 × 325 × 208 mm 86 × 325 × 230 mm	86 × 352 × 230 mm	91 × 379 × 231 mm
Protection class according to DIN EN 60529	IP 42   IP 40	IP 42   IP 40	IP 40	IP 40

**RW 20 digital**

Ident. No. 0003593000

**RW 28 digital**

Ident. No. 0005040000

**RW 47 digital**

Ident. No. 0004050000

**TECHNICAL DATA**Stirring quantity max. (H<sub>2</sub>O)**RW 20 DIGITAL**

20 l

Speed range

I: 60 – 500 rpm  
II: 240 – 2000 rpm

Viscosity max.

10 000 mPas

Torque max. at stirring shaft

I: 150 Ncm  
II: 24 Ncm

Chuck range diameter

0.5 – 10 mm

Display

LED

Dimensions (W × H × D)

88 × 294 × 212 mm

Protection class according to  
DIN EN 60529

IP 20

**RW 28 DIGITAL**

80 l

I: 60 – 400 rpm  
II: 240 – 1400 rpm

50 000 mPas

I: 900 Ncm  
II: 300 Ncm

1 – 10 mm

LED

123 × 364 × 252 mm

IP 40

**RW 47 DIGITAL**

200 l

I: 57 – 275 rpm  
II: 275 – 1300 rpm

100 000 mPas

I: 3000 Ncm  
II: 620 Ncm

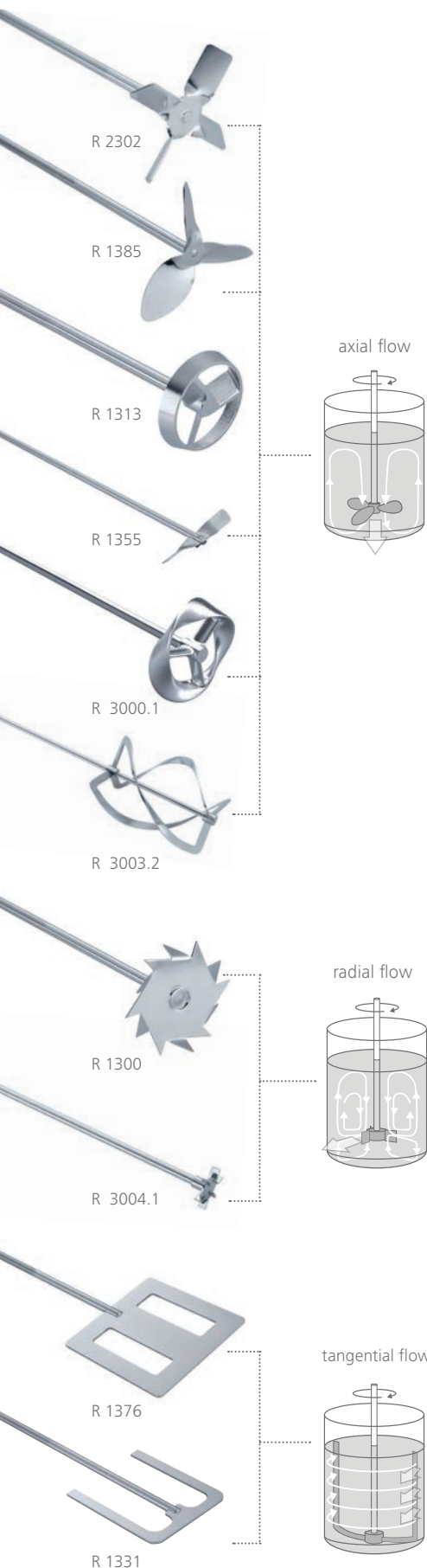
3 – 16 mm

LED

145 × 465 × 358 mm

IP 54





Product	Shaft length Shaft diameter Stirrer diameter	Max. speed	Ident. No.
<b>PROPELLER STIRRERS, 4-BLADED</b>			
R 1342	350   8   50 mm	≤ 2000 rpm	0000741000
R 1345	550   8   100 mm	≤ 800 rpm	0000741300
R 2302	800   13   150 mm	≤ 600 rpm	0000739000
<b>PROPELLER STIRRERS, 3-BLADED</b>			
R 1381	350   8   45 mm	≤ 2000 rpm	0001296000
R 1382	350   8   55 mm	≤ 2000 rpm	0001295900
R 1385	550   10   140 mm	≤ 800 rpm	0000477700
R 1388	800   10   140 mm	≤ 400 rpm	0000477800
R 1389*	350   8   75 mm	≤ 800 rpm	0002343600
<b>TURBINE STIRRERS</b>			
R 1311	350   8   30 mm	≤ 2000 rpm	0002332900
R 1312	350   8   50 mm	≤ 2000 rpm	0002333000
R 1313	400   10   70 mm	≤ 800 rpm	0002333100
<b>CENTRIFUGAL STIRRERS</b>			
R 1352	350   8   60/15 mm	≤ 2000 rpm	0000756900
R 1355	550   8   100/24 mm	≤ 800 rpm	0001132700
<b>DISSOLVER STIRRERS</b>			
R 1300	350   8   80 mm	≤ 2000 rpm	0000513500
R 1302	350   10   100 mm	≤ 1000 rpm	0002387900
R 1303	350   8   40 mm	≤ 2000 rpm	0002746700
<b>PADDLE STIRRERS</b>			
R 1375	550   8   70 mm	≤ 800 rpm	0000757700
R 1376	550   10   150 mm	≤ 800 rpm	0000757800
R 2311	800   13   150 mm	≤ 600 rpm	0000739500
<b>ANCHOR STIRRERS</b>			
R 1330	350   8   45 mm	≤ 1000 rpm	0002022300
R 1331	350   8   90 mm	≤ 1000 rpm	0002022400
R 1333	550   10   150 mm	≤ 800 rpm	0002747400
<b>MOEBIUS STIRRERS</b>			
R 3000.1	565   10   100 mm	≤ 800 rpm	0020001192
R 3001.1	575   10   100 mm	≤ 800 rpm	0020001195
<b>SPIRAL STIRRERS</b>			
R 3003	350   8   50 mm	≤ 800 rpm	0020001203
R 3003.1	550   10   100 mm	≤ 800 rpm	0020001204
R 3003.2	800   10   150 mm	≤ 800 rpm	0020001205
<b>BLADE STIRRERS</b>			
R 3004	359   8   30 mm	≤ 1000 rpm	0020001206
R 3004.1	565   10   50 mm	≤ 1000 rpm	0020001207
R 3004.2	819   10   70 mm	≤ 1000 rpm	0020001208
<b>PADDLE STIRRERS   SCREW-TYPE STIRRERS</b>			
R 1001	160   4   34 mm	2000 rpm	0000527400
R 1002	140   4   12 mm	2000 rpm	0000527500

\* (PTFE-coated)

++ IKA recommended | + Installable | – Not compatible





Product	Ident. No.	NANOSTAR digital	MICRO-STARS digital   control	MINISTARS digital   control
<b>TEMPERATURE SENSORS</b>				
H 67.60 stainless steel	0025006664	–	control	control
H 67.61 stainless steel	0025007920	–	control	control
H 68.55 stainless steel	0025007921	–	control	control
H 70 extension cable	0002735600	–	control	control
<b>SENSORS IN COMBINATION WITH H 70</b>				
H 62.51 stainless steel	0002735451	–	control	control
H 66.51 glass-coated	0002735551	–	control	control
H 66.53 coated	0004499900	–	control	control
<b>STANDS</b>				
<b>Plate stands</b>				
IKA [scale]	0025004318	++	++	++
R 1825	0003160000	++	++	++
R 1826	0003160100	++	++	++
R 1827	0003160200	++	++	++
<b>H-stand</b>				
R 2722	0001412000	–	++	++
<b>Telescopic stands</b>				
R 2723	0001412100	–	++	++
R 474	0001643000	–	–	–
<b>Floor stands</b>				
R 472	0000738700	–	–	–
R 2850	0020002900	–	–	–
R 6547 H	0020018378	–	–	–
R 6547 E 400V	0020018384	–	–	–



### CLAMPS // Compatibility with stands (++ / –)

Product	R 182	R 270	R 271	RH 3	RH 5
IKA [scale]	++	–	–	++	–
R 1825	++	–	–	++	–
R 1826	++	–	–	++	–
R 1827	++	–	–	++	–
R 2722	–	++	++	–	++
R 2723	–	++	++	–	++

++ IKA recommended | + Installable | – Not compatible



R 1401



R 1402



R 301



WH 11



Product	Description	Ident. No.
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#### ACCESSORIES EUROSTAR 20 HIGH SPEED DIGITAL AND CONTROL

R 1401	Propeller, Ø 55 mm	0001242900
R 1405	Propeller, Ø 45 mm	0001289800
R 1402	Dissolver, Ø 42 mm	0001243300

#### ACCESSORIES FOR PROTECTION AND SAFETY

R 301	Stirring shaft protection	0002603000
R 301.1	Support holder for R 301	0002604000
R 303	Stirring shaft protection	0030000257
SI 400	Safety switch	0003294800
SI 472	Fixing device for SI 400 to R 472 stand	0003264000
SI 474	Fixing device for SI 400 to R 474 or T 653 stand	0003264400

#### FURTHER ACCESSORIES

WH 11	Wall mount for WiCo	0025001500
FK 1	Flexible coupling	0002336000
R 60	Keyless chuck	0003889500
R 60.1	Keyless chuck	0025007821

#### LABORATORY SOFTWARE labworldsoft® 6 Starter

Ident. No. 0020019397

#### labworldsoft® 6 Pro

Ident. No. 0020017366

labworldsoft® is a laboratory software to control lab devices, automate processes, and to document your measurements and results. The software provides access to a huge library of different laboratory devices. labworldsoft® does not integrate only IKA laboratory devices, but supports several other devices from different manufacturers as well. You stay flexible in the choice of your lab devices you want to use and profit from the whole device range of the laboratory world.



## SAFETY FIRST

Stress-free mixing at your convenience with increased productivity, flexibility and enhanced safety features. A safety stop function allows for example the quick stop of the overhead stirrer. Stirring shaft protection, which is available as an accessory prevents potential injuries due to the rotating shafts and stirring elements. The clear display of the control versions shows all relevant values such as torque and speed as well as PC connectivity if the device is controlled with labworldsoft®. This ensures a constant overview of the stirring process.