

The first address for laboratory instruments

Stirring, heating and controlling using the SLR

SLR

In addition to fast or temperature controlled heating, a lot of applications also require liquids to be stirred. Using our laboratory stirrer SLR with heating, the process of mixing liquids can be selected from careful to intense, and the device can also be used for speedy heating up or controlled temperature adaptation.



SI Analytics

a **xylem** brand

Technical data

Heating function		
heating power (kW)	0.9	
heated zone (mm)	Ø 155	
max. hot plates temperature (°C)	approx. 550	
min. time to boiling point 1 I H ₂ O* (min) approx. 15	
temperature sensor connector	yes, Pt 1000	
setting accuracy with temperature	1	
sensor (°C)		
controlling accuracy with temperature	± 2 5	
sensor** (°C)		
hot plate material	glass ceramic	
hot plates area (mm)	235 x 235	
digital set/actual temperature display	yes	
(temperature sensor connector)		
Stirring function		
max. rpm (min ⁻¹)	100 - 1100	
setting accuracy rpm (min ⁻¹)	10	
max. stirring volume (I H ₂ O)	10	
digital set/actual rpm display	yes	
General data		
dimensions (L x W x H in mm)	370 x 240 x 85	
weight (kg)	approx. 3.8	
max. load (kg)	25	
admissible ambient temperature (°C)	10 - 40	
admissible air humidity (%)	85	
protection type	IP 20	
protection class	1	
housing material	die-cast	
cable connector	fixed cable	
mains connection (V/Hz)	230 V, 50/60 or	
	115 V, 50/60	
Order No. 230 V	28 541 6373	
Order No. 115 V***	28 541 6279	
/ White I is a		

Ordering information

Description	Type No.	Order No.
Temperature sensor		
stainless steel shaft (V4A), Pt 1000 sensor,	W5791NNHT	20 510 5200
1 m fixed cable with 2 x 4 mm banana plug,	W3/9HNINHI	20 310 3300
length 170 mm, Ø 4 mm, -30+ 200 °C		
Temperature sensor		
glass shaft, Sensor Pt 1000,	W/5780NINIHT	28 510 5238
1 m fixed cable with 2×4 mm banana plug,	W3700INITI	
length 250 mm, Ø 6 mm, -30+ 200 °C		
Stand rod with fixing nut (M8)	Z 601	28 541 6492
stainless steel, Ø 10 mm, length 450 mm	2001	20 341 0472
Temperature sensor holder		
clamp with extension rod	Z 602	28 541 6505
made of stainless steel, connector		
Magnetic stirrer rod set for standard applica-		
tions / AlNiCo5, circular cross-section, PTFE	Z 603	28 541 6554
coated, 1 piece 15, 20, 30, 40, 50, 60, 70, 80		7
mm each		
Magnetic stirrer ripe for medium volumes		
SmCo, circular cross-section, PTFE coated,	Z 604	28 541 6562
5 pieces 9 x 15 mm each		
Magnetic stirrer for large volumes		
SmCo, elliptic cross-section, PTFE coated,	Z 605	28 541 6579
1 piece 19 x 75 mm each		
Compressed-air connector (only SLK)		
for use in an aggressive environment	Z 607	28 541 6595
(subsequent installation only by manufacturer)		
Compressed-air connector set (only SLK)	Z 608	28 541 6608

- * measured in 3 l glass beaker at 25 °C ambient temperature and 1 bar air pressure
- ** depending on liquid quantity, heat capacity, and ambient temperature
- *** the above measurement values may deviate slightly when using the 115 V version
- CE sign

Council Directive 89/336/EMC (electromagnetic compatibility) Council Directive 73/23/EMC (low-voltage directive), last modified by the Council Directive 93/68/EMC

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