

IKA

designed for scientists

EN



THE UNIVERSAL MIXING DRIVE | IKA MIXSTER



Personalized Application Advice

At the IKA Application Center, you can see the performance of our new mixing drive for yourself. Our experts will show you the application and demonstrate the accessories.



One service for everything, worldwide

The decision for IKA MIXSTER is also the decision for IKA's excellent technical service in your region. Our team is available worldwide for your service and application needs. IKA guarantees the availability of spare parts for your laboratory device for up to 10 years.

Do you have questions?
Our service team is at your personal disposal:

00 8000 4524357 (00 8000 IKAHELP)



2+1 years warranty*

*2+1 years after registering at www.ika.com/register, wearing parts excluded.

Rethink mixing

Discover the IKA MIXSTER laboratory mixer – flat, light, glass and intuitive to operate via a touch display. This revolutionary and versatile mixing master, which can both stir and shake, has attracted a great deal of attention from our customers since its introduction and is now one of our most sought-after products. The new name MIXSTER is an expression of a growing product family and reflects the core function of the device. Get excited about the future of mixing.

Touch operation

IKA MIXSTER not only looks better, it does things other laboratory devices can't. For example, the new way of interaction between user and lab instrument. IKA MIXSTER becomes your hand's natural extension. Operation by touch will be one of your new instinctive experiences with the innovative IKA MIXSTER.



reddot winner 2022



4
/// FROM MAGNETIC STIRRER
TO SHAKER AND BACK

10
/// PACKAGES

6
/// THE MAGNETIC STIRRER
IKA MIXSTER

11
/// ACCESSORIES

8
/// IKA MIXSTER –
THE TRANSFORMER

Strong like no other. Innovative like no other.
Versatile like no other. And changeable like never before.
Actually, IKA MIXSTER is without saying.
You have to experience it.



From magnetic stirrer to shaker and back

IKA MIXSTER is a master of transformation. The small, elegant plate on your lab bench is initially a magnetic stirrer that packs a punch because it easily manages 3000 revolutions and can reliably stir even the smallest volumes. And then a single attachment turns it into a shaker, with only a small additional cost and no additional space needed.

And because IKA MIXSTER is so clever, it even becomes a multi-position magnetic stirrer in no time at all: You can connect up to 30 units together in any desired pattern. That's up to 270 stirring positions for the smallest volumes. But starting from the beginning ...

THE MAGNETIC STIRRER IKA MIXSTER

IKA MIXSTER not only looks better than other magnetic stirrers. It can also do things that other magnetic stirrers can't.

New operating concept and innovative display

IKA MIXSTER enables a new way of interaction between user and laboratory device: Via the 360° LED circle display, all information is presented intuitively without any alpha-numerical display. Mixing can be started via the touch display or, thanks to beaker recognition, by placing or touching the beaker or attachment.



Powerful mixing

The IKA MIXSTER magnetic stirrer has a universal and extra-strong drive. As the first magnetic stirrer at IKA, it mixes liquids with viscosities of up to 500 mPas at up to 3000 rpm.

Mixing in small vessels

With the MIX.IX multi-position attachment, the stirring force can be transferred from one to nine small stirring positions. This makes thorough stirring of the smallest quantities particularly easy.



Automatic beaker detection

Place a vessel on your magnetic stirrer. IKA MIXSTER recognizes it and starts. In this operating mode, the intelligent laboratory device no longer needs a start button.



Torque trend indicator

This setting lets you know how much energy your magnetic stirrer is currently using. Viscosity changes can thus be observed during the stirring process.

Amazingly robust

With protection class IP 66, IKA MIXSTER is optimally protected. It can be cleaned under running water without any problems and operation in incubators up to 40 °C is also possible. The glass surface impresses with both its attractive appearance and its outstanding chemical resistance.



Rotation direction reversal

In interval mode, the direction of rotation can be changed in definable time intervals. This leads to a significantly better mixing result, especially with samples that are difficult to mix.

IKA MIXSTER – THE TRANSFORMER

Why buy multiple lab devices,
when one can do it all?

With just one basic unit, you can create numerous new possibilities. Thanks to convertibility and upgrade options, you can use IKA MIXSTER as a magnetic stirrer today and as a shaker tomorrow. This is not only environmentally friendly and economical, but also reduces the number of electronic devices and the space required in your laboratory.

Multi-position magnetic stirrer

No other can do this: You can easily turn the IKA MIXSTER single-position magnetic stirrer into a multi-position magnetic stirrer with up to 30 stirring positions.

Next, you can automate your stirring task. Either you configure one plate as leader and let all other plates (followers) run with the same setting or you can assign a different job to each plate. Of course, no other can do this either.

Individual control of plates

IKA MIXSTER is the only multi-position magnetic stirrer where you can assign a different speed or stirring direction to each stirring position.



Stirring of smallest quantities

Matching the new IKA MIXSTER, the MIX.IX attachment has been developed. It can transfer the stirring force from one to nine small stirring positions and is particularly suitable for mixing in small sample vessels with diameters of 23 to 28 mm and volumes from 8 to 60 ml.

For simplified and safe sample handling, the vessel holders MIX.IX.28 and MIX.IX.23 are available as accessories.

From magnetic stirrer to shaker

No other can do this anyway: With the MIX.VX shaker attachment, IKA MIXSTER becomes a vortex shaker. It starts either by pressing a button or by touching the attachment. In one-hand operation, the shaker only runs as long as you touch the attachment with your hand.

With STICKMAX II, the round adhesive mat, it can also mix larger volumes properly at slow speeds.

By the way: Your existing shaker accessories from the MS 3 shaker series also fit the flexible IKA MIXSTER. The large selection of attachments allows mixing of samples in a wide variety of vessels.



MIX.VX Basis



MS 3.1*



MS 3.3*



MS 3.4



MS 1.21*



MS 3.5

ACCESSORIES MIX.VX



MS 1.21*



MS 1.31

STICKMAX II



*Included with MIX.VX.

Technical data

IKA MIXSTER	
Speed range	100 – 3000 rpm
Speed setting accuracy	100 rpm
Length of stirring bars	10 – 30 mm
Max. stirring quantity per stirring position	5 l
Dimensions (W x H x D)	135 x 24 x 135 mm
Max. self-heating	6 K
Timer for reversal of rotation direction	30 sec – 30 min

Packages

There are four different packages for IKA MIXSTER: with one, MIXo, three or four drives. Each package is fully functional. With add-on units, the number of stirring positions can be extended as required. Depending on the number of stirring positions used, the power supply may have to be adapted.



SCOPE OF DELIVERY	IKA MIXSTER Set 1 Ident No.: 0020027010	IKA MIXSTER Set 2 Ident No.: 0020027388	IKA MIXSTER Set 3 Ident No.: 0020027389	IKA MIXSTER Set 4 Ident No.: 0020027390	IKA MIXSTER Add-on unit Ident No.: 0020112621
IKA MIXSTER devices	1 piece	2 pieces	3 pieces	4 pieces	1 piece
IKAFLON 25 round Magnetic stirring bar	1 piece	2 pieces	3 pieces	4 pieces	no
POWER SUPPLY					
for up to 2 devices	yes	yes	no	no	no
for up to 4 devices MIX.PWR.1 Ident No. 0025005565	no	no	yes	yes	no
for up to 30 devices MIX.PWR.2 Ident No. 0020116436	no	no	yes	yes	no

Accessories

STIRRING

MIX.IX Multi-position stirring attachment. 9 stirring positions for vessels with volume 8 - 60 ml. Stirring position spacing: 30 mm Max. ø vessels: 27.5 mm Ident No.: 0020103426	MIX.IX.23 MIX.IX.28 Vessel holder, for glasses: 23 mm 28 mm Ident No.: 0020112965 Ident No.: 0020112966	MIX.IX.ANTISLIP Anti-slip mat to reduce noise Ident-Nr.: 0020111461	IKAFLON 10 15 25 power ellipse Rare earth magnetic stirring bars for high viscosities. Quantity: 5 pieces Dimensions: 10 x 6 15 x 10 25 x 14 mm Ident No.: 0020110607 Ident No.: 0020110747 Ident No.: 0020110748

SHAKING

MIX.VX Shaker attachment Speed: up to 3000 rpm Shaking stroke: 4.5 mm Ident No.: 0020110145	STICKMAX II Universal adhesive mat Ident No.: 0020112736	MS 1.32 Test tube insert Ident No.: 000L001850	MS 3.4 Microtiter attachment Ident No.: 0003426400
		MS 1.34 Test tube insert Ident No.: 000L001830	MS 3.5 PCR plate attachment Ident No.: 0003428000

OTHER ACCESSORIES

		Further accessories can be found at www.ika.com
IKA MIXSTER Add-on unit Add-on unit, without power supply Ident No.: 0020112621	MIX.CABLE Connection cable, length: 0.5 m Ident No.: 0020025856	



designed for scientists

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