



## **ROLLER 10 basic**

Roller shaker with 10 rolls provides smooth rocking and rolling action at a fixed speed. Used for mixing blood samples, solid and liquid suspensions and viscous samples. The unit can be used with all conventional tubes and cylindrical bottles. Easily removable attachments provide for quick cleaning in case of sample spills.

- Usable at 4 to 50 °C in incubators
- Suitable for continuous operation
- Removable rolls enable shaking of larger tubes
- Easy operation with touch keypad
- Shaking diameter: 24,5 mm (height)
- Speed range: 30 rpm (fixed)

Technical Data   Type of movement rolling   Permissible ON time [%] 100   Speed min. [rpm] 0   Speed min. [rpm] 0   Speed display 00   Speed display 00   Timer display 00   Operating mode continuous operation   Rolls, number 10   Rolls, number 10   Rolls, length [mm] 32   Rolls, length [mm] 320   Rolls, length [mm] 320   Rolls, luffing angle fixed [°] 3   Rolls, changeable, removable yes   Dimensions (W x H x D) [mm] 380 x 115 x 545   Weight [kg] 6   Permissible relative humidity [%] 80   Protection class according to DIN EN 60529 IP 21   Voltage [V] 100 - 240   Frequency [Hz] 50/60   Power input [W] 24   DC Voltage [V=] 24   Current consumption [mA] 1000		
Permissible ON time [%] 100   Speed min. [rpm] 0   Speed fix [rpm] 30   Speed fix [rpm] 0   Continuous operation 0   Rolls, number 10   Rolls, number 10   Rolls, length [mm] 327   Working area length [mm] 327   Working area length [mm] 350   Rolls, luffing angle fixed [°] 3   Rolls, changeable, removable yes   Unit stackable yes   Dimensions (W x H x D) [mm] 380 x 115 x 545   Weight [kg] 6   Permissible ambient temperature [°C] 4 - 50   Permissible relative humidity [%] 80   Protection class according to DIN EN 60529 IP 21   Voltage [V] 100 - 240   Frequency [Hz] 50/60   Power input [W] 24	Technical Data	
Speed min. [rpm] 0   Speed fix [rpm] 30   Speed fix [rpm] 30   Speed fix [rpm] 30   Timer display none   Operating mode continuous operation   Rolls, number 10   Rolls, number 10   Rolls, length [mm] 327   Working area length [mm] 350   Rolls, luffing angle fixed [°] 3   Rolls, changeable, removable yes   Unit stackable yes   Dimensions (W x H x D) [mm] 380 x 115 x 545   Weight [kg] 6   Permissible ambient temperature [°C] 4 - 50   Permissible relative humidity [%] 80   Protection class according to DIN EN 60529 IP 21   Voltage [V] 100 - 240   Frequency [Hz] 50/60   Power input [W] 24   DC Voltage [V=] 24   Current consumption [mA] 1000	Type of movement	rolling
Speed fix [rpm] 30   Speed fix [rpm] 30   Speed fix [rpm] none   Timer display none   Operating mode continuous operation   Rolls, number 10   Rolls, number 10   Rolls, length [mm] 327   Working area length [mm] 327   Working area length [mm] 350   Rolls, luffing angle fixed [°] 3   Rolls, nax stroke at roll end [mm] 16   Rolls, changeable, removable yes   Unit stackable yes   Dimensions (W x H x D) [mm] 380 x 115 x 545   Weight [kg] 6   Permissible ambient temperature [°C] 4 - 50   Permissible relative humidity [%] 80   Protection class according to DIN EN 60529 IP 21   Voltage [V] 100 - 240   Frequency [Hz] 50/60   Power input [W] 24   DC Voltage [V=] 24   Current consumption [mA] 1000	Permissible ON time [%]	100
Speed display none   Timer display none   Operating mode continuous operation   Rolls, number 10   Rolls, number 10   Rolls, length [mm] 32   Working area length [mm] 350   Rolls, luffing angle fixed [°] 3   Rolls, changeable, removable yes   Unit stackable yes   Dimensions (W x H x D) [mm] 380 x 115 x 545   Weight [kg] 6   Permissible ambient temperature [°C] 4 - 50   Permissible relative humidity [%] 80   Protection class according to DIN EN 60529 IP 21   Voltage [V] 100 - 240   Frequency [Hz] 50/60   Power input [W] 24   DC Voltage [V=] 24   Current consumption [mA] 1000	Speed min. [rpm]	0
Timer display none   Operating mode continuous operation   Rolls, number 10   Rolls, number 10   Rolls, length [mm] 32   Working area length [mm] 350   Rolls, luffing angle fixed [°] 3   Rolls, changeable, removable yes   Unit stackable yes   Dimensions (W x H x D) [mm] 380 x 115 x 545   Weight [kg] 6   Permissible ambient temperature [°C] 4 - 50   Permissible relative humidity [%] 80   Protection class according to DIN EN 60529 IP 21   Voltage [V] 100 - 240   Frequency [Hz] 50/60   Power input [W] 24   DC Voltage [V=] 24   Current consumption [mA] 1000	Speed fix [rpm]	30
Operating mode continuous operation   Rolls, number 10   Rolls, Ø [mm] 32   Rolls, length [mm] 327   Working area length [mm] 350   Rolls, luffing angle fixed [°] 3   Rolls, nax stroke at roll end [mm] 16   Rolls, changeable, removable yes   Unit stackable yes   Dimensions (W x H x D) [mm] 380 x 115 x 545   Weight [kg] 6   Permissible ambient temperature [°C] 4 - 50   Permissible relative humidity [%] 80   Protection class according to DIN EN 60529 IP 21   Voltage [V] 100 - 240   Frequency [Hz] 50/60   Power input [W] 24   DC Voltage [V=] 24   Current consumption [mA] 1000	Speed display	none
Rolls, number 10   Rolls, Ø [mm] 32   Rolls, length [mm] 327   Working area length [mm] 350   Rolls, luffing angle fixed [°] 3   Rolls, nax stroke at roll end [mm] 16   Rolls, changeable, removable yes   Unit stackable yes   Dimensions (W x H x D) [mm] 380 x 115 x 545   Weight [kg] 6   Permissible ambient temperature [°C] 4 - 50   Permissible relative humidity [%] 80   Protection class according to DIN EN 60529 IP 21   Voltage [V] 100 - 240   Frequency [Hz] 50/60   Power input [W] 24   DC Voltage [V=] 24   Current consumption [mA] 1000	Timer display	none
Rolls, Ø [mm] 32   Rolls, length [mm] 327   Working area length [mm] 350   Rolls, luffing angle fixed [°] 3   Rolls, max stroke at roll end [mm] 16   Rolls, changeable, removable yes   Unit stackable yes   Dimensions (W x H x D) [mm] 380 x 115 x 545   Weight [kg] 6   Permissible ambient temperature [°C] 4 - 50   Permissible relative humidity [%] 80   Protection class according to DIN EN 60529 IP 21   Voltage [V] 100 - 240   Frequency [Hz] 50/60   Power input [W] 24   DC Voltage [V=] 24   Current consumption [mA] 1000	Operating mode	continuous operation
Rolls, length [mm] 327   Working area length [mm] 350   Rolls, luffing angle fixed [°] 3   Rolls, nax stroke at roll end [mm] 16   Rolls, changeable, removable yes   Unit stackable yes   Dimensions (W x H x D) [mm] 380 x 115 x 545   Weight [kg] 6   Permissible ambient temperature [°C] 4 - 50   Permissible relative humidity [%] 80   Protection class according to DIN EN 60529 IP 21   Voltage [V] 100 - 240   Frequency [Hz] 50/60   Power input [W] 24   DC Voltage [V=] 24   Current consumption [mA] 1000	Rolls, number	10
Working area length [mm] 350   Rolls, luffing angle fixed [°] 3   Rolls, nux stroke at roll end [mm] 16   Rolls, changeable, removable yes   Unit stackable yes   Dimensions (W x H x D) [mm] 380 x 115 x 545   Weight [kg] 6   Permissible ambient temperature [°C] 4 - 50   Permissible relative humidity [%] 80   Protection class according to DIN EN 60529 IP 21   Voltage [V] 100 - 240   Frequency [Hz] 50/60   Power input [W] 24   DC Voltage [V=] 24   Current consumption [mA] 1000	Rolls, Ø [mm]	32
Rolls, luffing angle fixed [°] 3   Rolls, nuffing angle fixed [°] 16   Rolls, max stroke at roll end [mm] 16   Rolls, changeable, removable yes   Unit stackable yes   Dimensions (W x H x D) [mm] 380 x 115 x 545   Weight [kg] 6   Permissible ambient temperature [°C] 4 - 50   Permissible relative humidity [%] 80   Protection class according to DIN EN 60529 IP 21   Voltage [V] 100 - 240   Frequency [Hz] 50/60   Power input [W] 24   DC Voltage [V=] 24   Current consumption [mA] 1000	Rolls, length [mm]	327
Rolls, max stroke at roll end [mm] 16   Rolls, changeable, removable yes   Unit stackable yes   Dimensions (W x H x D) [mm] 380 x 115 x 545   Weight [kg] 6   Permissible ambient temperature [°C] 4 - 50   Permissible relative humidity [%] 80   Protection class according to DIN EN 60529 IP 21   Voltage [V] 100 - 240   Frequency [Hz] 50/60   Power input [W] 24   DC Voltage [V=] 24   Current consumption [mA] 1000	Working area length [mm]	350
Rolls, changeable, removable yes   Unit stackable yes   Dimensions (W x H x D) [mm] 380 x 115 x 545   Weight [kg] 6   Permissible ambient temperature [°C] 4 - 50   Permissible relative humidity [%] 80   Protection class according to DIN EN 60529 IP 21   Voltage [V] 100 - 240   Frequency [Hz] 50/60   Power input [W] 24   DC Voltage [V=] 24   Current consumption [mA] 1000	Rolls, luffing angle fixed [°]	3
Unit stackable yes   Dimensions (W x H x D) [mm] 380 x 115 x 545   Weight [kg] 6   Permissible ambient temperature [°C] 4 - 50   Permissible relative humidity [%] 80   Protection class according to DIN EN 60529 IP 21   Voltage [V] 100 - 240   Frequency [Hz] 50/60   Power input [W] 24   DC Voltage [V=] 24   Current consumption [mA] 1000	Rolls, max stroke at roll end [mm]	16
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Weight [kg] 6   Permissible ambient temperature [°C] 4 - 50   Permissible relative humidity [%] 80   Protection class according to DIN EN 60529 IP 21   Voltage [V] 100 - 240   Frequency [Hz] 50/60   Power input [W] 24   DC Voltage [V=] 24   Current consumption [mA] 1000	Unit stackable	yes
Permissible ambient temperature [°C] 4 - 50   Permissible relative humidity [%] 80   Protection class according to DIN EN 60529 IP 21   Voltage [V] 100 - 240   Frequency [Hz] 50/60   Power input [W] 24   DC Voltage [V=] 24   Current consumption [mA] 1000	Dimensions (W x H x D) [mm]	380 x 115 x 545
Permissible relative humidity [%] 80   Protection class according to DIN EN 60529 IP 21   Voltage [V] 100 - 240   Frequency [Hz] 50/60   Power input [W] 24   DC Voltage [V=] 24   Current consumption [mA] 1000	Weight [kg]	6
Protection class according to DIN EN 60529 IP 21   Voltage [V] 100 - 240   Frequency [Hz] 50/60   Power input [W] 24   DC Voltage [V=] 24   Current consumption [mA] 1000	Permissible ambient temperature [°C]	4 - 50
Voltage [V] 100 - 240   Frequency [Hz] 50/60   Power input [W] 24   DC Voltage [V=] 24   Current consumption [mA] 1000	Permissible relative humidity [%]	80
Frequency [Hz] 50/60   Power input [W] 24   DC Voltage [V=] 24   Current consumption [mA] 1000	Protection class according to DIN EN 60529	IP 21
Power input [W] 24   DC Voltage [V=] 24   Current consumption [mA] 1000	Voltage [V]	100 - 240
DC Voltage [V=] 24   Current consumption [mA] 1000	Frequency [Hz]	50/60
Current consumption [mA] 1000	Power input [W]	24
	DC Voltage [V=]	24
Ident. No. 0004012000	Current consumption [mA]	1000
	Ident. No.	0004012000