

# OHS Digital & Advance Series Overhead Stirrers

**VELP**  
SCIENTIFICA

Analytical Instruments  
Raised To Excellence



## The Best-In-Class Stirring Power

- ▶ Digital interfaces to precisely set and monitor the working parameters
- ▶ Leading Safety Standard (IP54 certified)
- ▶ Extremely Stable Stirring Speed available with single or double speed gear
- ▶ New SmartChuck™ for one-hand shaft accommodation without tools
- ▶ USB and Wi-Fi connection through VELP Ermes to monitor the instrument 24/7
- ▶ Real Time Torque Monitor for total control of your reactions
- ▶ Brushless motor for heavy-duty continuous operations
- ▶ Key lock function to prevent unintentional changes in working conditions
- ▶ SpeedServo™ torque compensation maintains rpm constant



# Premium Technology and Durability

VELP takes Overhead Stirrer to the next level with the new OHS Series:

OHS DIGITAL	OHS ADVANCE
<ul style="list-style-type: none"> <li>Digital Display for precise setting and monitoring</li> <li>Timer for unattended operations</li> <li>Real Time Torque Tendencies indication</li> <li>Easy knob to navigate the menu and start/stop operations</li> <li>Brushless motor to ensure high efficiency and low maintenance</li> <li>SmartChuck™ system to change the shaft without any tool and with one hand only</li> <li>USB interface to document the processes</li> <li>Key lock function to avoid unintended parameters changes</li> </ul>	<ul style="list-style-type: none"> <li>TFT 3.5" Display encompassing a great set of information about the working conditions</li> <li>Timer for unattended operations</li> <li>Easy knob to navigate the menu and start/stop operations</li> <li>SmartChuck™ system to change the shaft without any tool and with one hand only</li> <li>Wi-Fi connection to VELP Ermes platform to monitor and control the instrument on cloud</li> <li>Key lock function to avoid unintended parameters changes</li> <li>Real Time Torque and Speed Graph Monitoring</li> <li>Probe connection for accurate Temperature control</li> <li>Programmable methods to set up to 4 Time/speed ramps</li> <li>State-of-the-art vibration sensor</li> </ul>

TECHNICAL SPECIFICATIONS								
	OHS 20 Digital	OHS 40 Digital	OHS 60 Digital	OHS 100 Digital	OHS 200 Digital	OHS 60 Advance	OHS 100 Advance	OHS 200 Advance
DISPLAY	LED	LED	LED	LED	LED	Graphic TFT	Graphic TFT	Graphic TFT
DISPLAY SIZE	7 Digits	7 Digits	7 Digits	7 Digits	7 Digits	3.5"	3.5"	3.5"
USER INTERFACE	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital
MOTOR	Brushless DC	Brushless DC	Brushless DC	Brushless DC	Brushless DC	Brushless DC	Brushless DC	Brushless DC
STIRRING VOL (H <sub>2</sub> O)	Up to 25 L	Up to 25 L	Up to 40 L	Up to 100 L	Up to 100 L	Up to 40 L	Up to 100 L	Up to 100 L
SPEED GEARS	1	1	1	1	2	1	1	2
MAX TORQUE (Nm)	20	40	60	100	200	60	100	200
STIRRING SPEED RANGE	30-2000 rpm	30-2000 rpm	30-2000 rpm	30-1300 rpm	6-400 rpm 30-2000 rpm	30-2000 rpm	30-1300 rpm	6-400 rpm 30-2000 rpm
SPEED ACCURACY	1 rpm	1 rpm	1 rpm	1 rpm	1 rpm	1 rpm	1 rpm	1 rpm
SPEED CONTROL	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital
MAX VISCOSITY (mPa*s)	10.000	25.000	50.000	70.000	100.000	50.000	70.000	100.000
TORQUE COMPENS.	SpeedServo™	SpeedServo™	SpeedServo™	SpeedServo™	SpeedServo™	SpeedServo™	SpeedServo™	SpeedServo™
CHUCK RANGE Ø	Up to 13 mm	Up to 13 mm	Up to 13 mm	Up to 13 mm	Up to 13 mm	Up to 13 mm	Up to 13 mm	Up to 13 mm
SAFETY VIBR. SENS	-	-	-	-	-	Yes	Yes	Yes
TIMER	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
EXTERNAL PROBE CONNECTION	-	-	-	-	-	Pt 100	Pt 100	Pt 100
TEMPERATURE MEASURING RANGE	-	-	-	-	-	-10 to 350 °C	-10 to 350 °C	-10 to 350 °C
TEMPERATURE RES.	-	-	-	-	-	0.1 °C	0.1 °C	0.1 °C
INTERFACES	USB	USB	USB	USB	USB	USB / WiFi	USB / WiFi	USB / WiFi
DIMENSIONS (WxHxD)	90x285x235	90x285x235	90x285x235	90x285x235	90x315x235	90x285x235	90x285x235	90x315x235
WEIGHT (Kg)	4,1	4,1	4,1	4,1	4,6	4,1	4,1	4,6
PROTECTION CLASS DIN EN 60529	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54

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