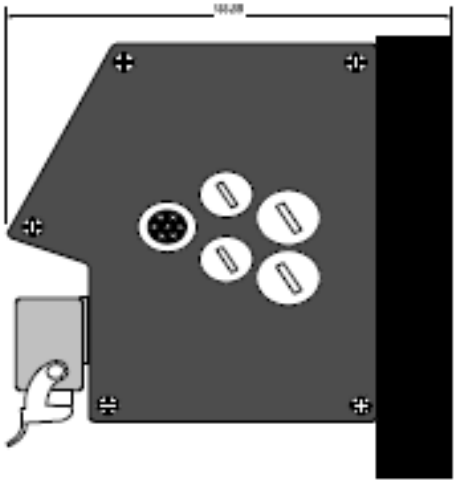
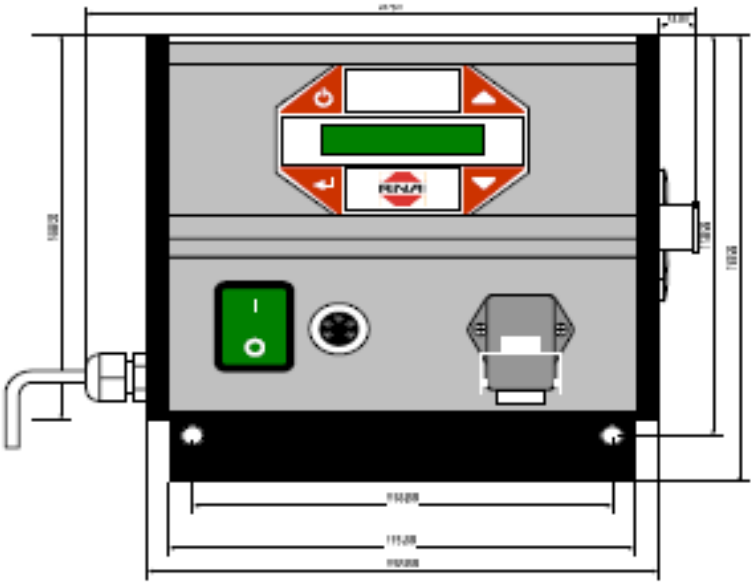
Product Information

Control Box
ESR 2500 / 2800

- Automatic setting of the oscillation frequency after calibration
- Changeover to 230 V or 110 V supply voltage
- Membrane keyboard for setting and changing the working values in the setting menus
- Simple menu navigation to change the setting parameters
- Manual adjustment of the transient and decay responses by changing the time constants
- External drive 24 V DC
- Three opto-couplers for status messages and further links
- Connection of external units, e.g. solenoid valve, is possible
- Connection of max. one sensor, the function of which can be programmed
- Plug-in connections for RNA vibratory bowl and linear feeders, sensors and communication
- Self-protective (max. current monitoring) • Double-pole main switch
- CE and EMC approved

Specification





Technical Data

	ESR2500/110V	ESR2500/230V	ESR2800
Mains connection:	115 Volt AC, 50/60 Hz, +/- 10%	230 Volt AC, 50/60 Hz, +/- 10%	
Output voltage:	0-104 Veff	0-208 Veff	
Max. Operative current:	5.5 Aeff / 2.75 Aeff / 1.83 Aeff / 1.37 Aeff changeable	9 Aeff / 4.5 Aeff / 3 Aeff / 2.25 Aeff changeable	
Min. Operative current:	2% of the max. operative current		
Output frequency:	25-150Hz mechanical frequency		
Internal fuse:	F401 = 4A		
Soft start time, soft stop time:	0.05 to 20 seconds		
External target value:	0-10Vdc / 0-5Vdc / 4-20mA / fieldbus control / soft key-adjustable		
Sensor inputs:	2 soft keys, changeable for NPN or PNP sensor		
Remote control inputs ON/OFF:	24Vdc soft key-changeable polarity		
Remote control inputs SLOW/FAST	24Vdc soft key-changeable polarity		
Power supply sensor:	24Vdc, max. 25mA in total		
Sensor delay ON:	0….60 secs.		
Sensor delay OFF:	0….60 secs.		
Outputs:	24Vdc / 20mA optocoupler outputs		
Active output:	Relay voltage-free changeover contact max. 250V / 8A		
Fieldbus:	Variable fieldbus module		
USB standard:	1.1 (full speed)		
USB plug:	USB type B “unit plug”		
Operating temperature:	0…. 40°C		
Protection:	IP54		

RNA

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