

**Technical Data**  
**ESW<sup>®</sup>-Transmitter-xs-20-VR**

operating voltage	10V up to 30V DC ± 10%
current input	4 to 20 mA, max. 25 mA
temperature range	-55°C to +90°C
type of protection	IP 67
case	stainless steel (1.4404)
case dimensions	47xSW22
weight	approx. 85g
mounting stud	threaded pin M6
connector	4-pin standard industrial plug in (M12)
sensor	integrated acceleration sensor
measured value	vibration velocity in mm/s
measurement range	0 to 20mm/s
frequency range	3Hz to 1kHz ± 10%
signal assessment	RMS
analog output	4mA - 20mA (correspond to 0 - 20mm/s)
dynamic range	4 - 22mA linear (up to 25mA -1dB)
supply	Constant voltage supply Modulation of the supply current within the range 4 - 20mA Measurement of current consumption or extraction as voltage across load resistance
max. load resistance	dependant on supply voltage
dimensioning	$U_{int-min} = 10V, I_{out-max} = 27mA$ $supply = U_{int-min} + (R_{Load} \times I_{out-max})$
example	default: $R_{load} = 500\ Ohm \gg output: 0,5V/mA$ $U_{Load-max} = 27mA \times 500Ohm = 13,5V$ $U_{B-min} = U_{Load-max} + U_{int-min} = 13,5V + 10V = 23,5V$
cable connection	1: + / 2: - / 3: nc 4: Dynamic Output (should be from the power supply galvanical separated)

