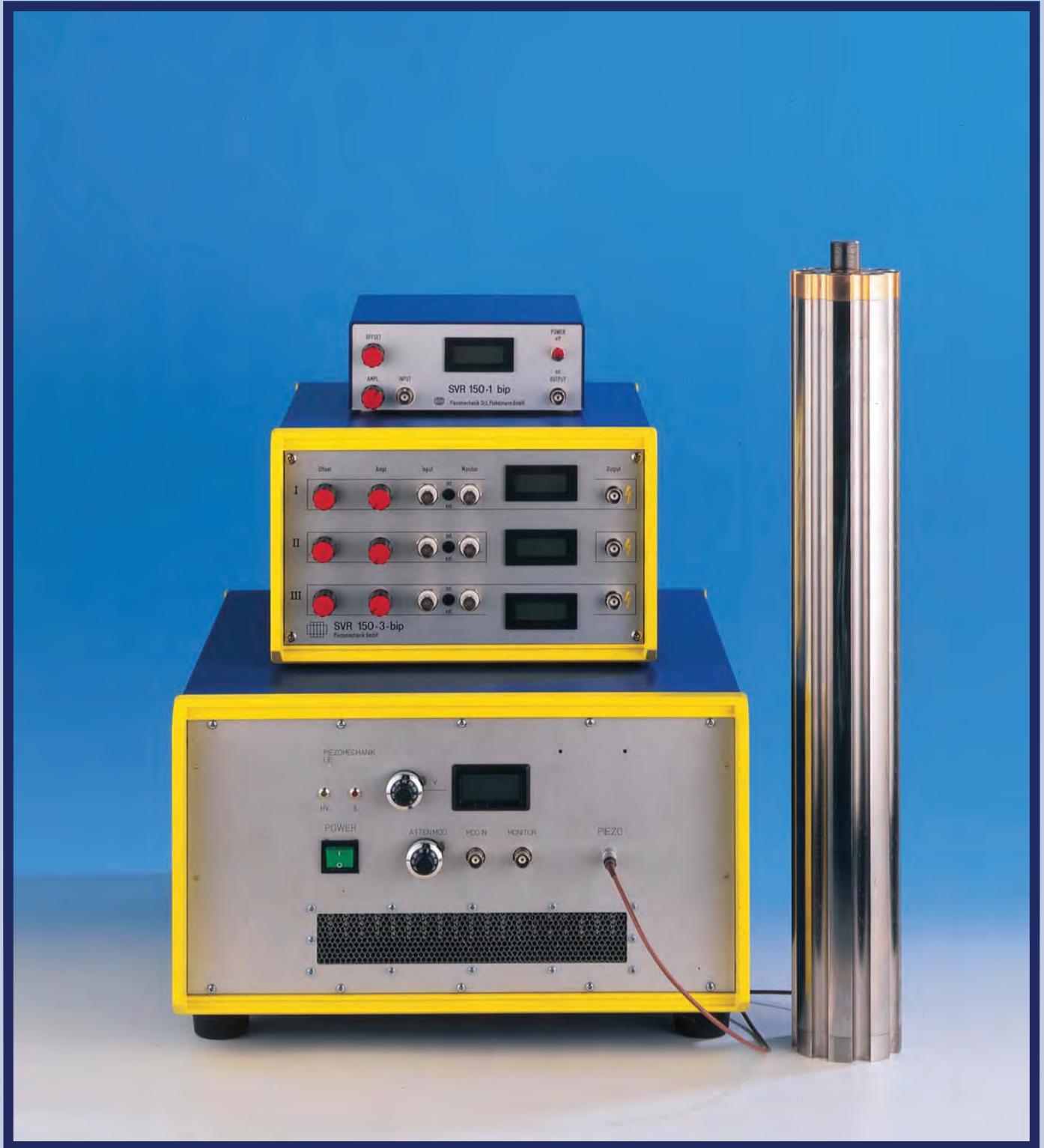


Technical Data



Content

Analogue Amplifiers SVR

SVR-150: -30 V / +150 V, 60 mA	3
SVR-200: -50 V / +200 V, 45 mA	4
SVR-150bip: +/-150 V, 30 mA	5

Analogue High Power Amplifiers LE

LE 150/100 EBW: 0 V / +150 V, 1200 mA, 70 KHz	6
LE 200/070 EBW: 0 V / +200 V, 700 mA	7

Accessories	8
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Analog Amplifiers SVR

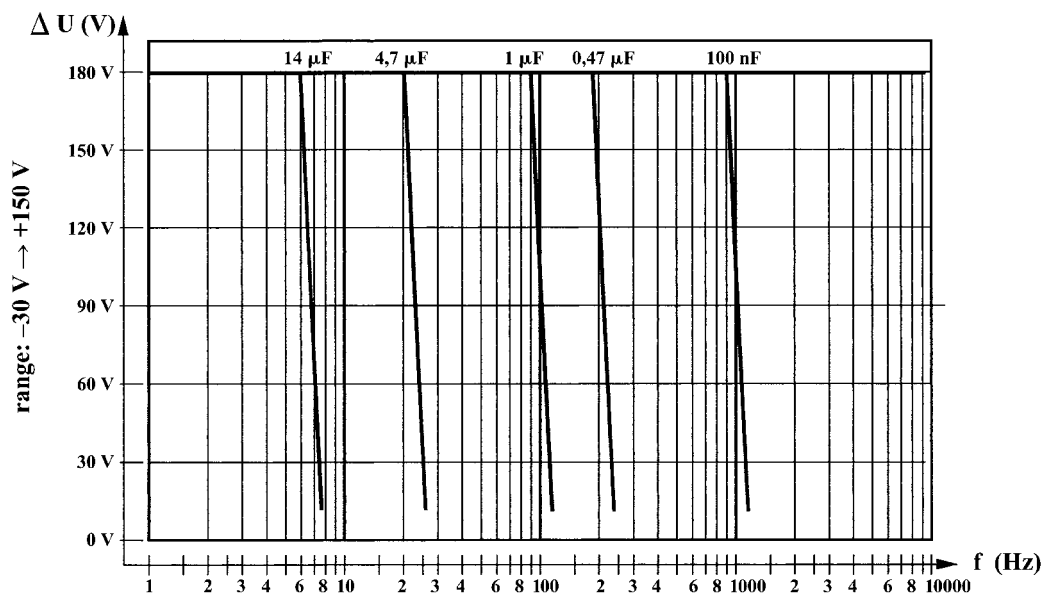
Low voltage/high voltage types available
 Lowest noise levels
 Semibipolar operation
 for enhanced actuator stroke/force generation

SVR 150/1 (single channel)
SVR 150/3 (3 independent channels)

Voltage range:
 -30 V thru +150 V (semibipolar)

Manual setting of DC-Offset
 (superimposed to external signal)

Variable attenuation



Input:

Signal: +/-5 V (+/-10 V with attenuation)
 Impedance: 5 kOhms
 Connector: BNC

Output:

Connector: BNC
 Voltage total: -30 V thru +150 V
 DC-Offset range: -30 V thru +150 V
 Gain: 30 (without attenuation)
 Max. current: 60 mA
 Noise: 0.3 mVpp (for 4.7 Farad load)
 Display: LCD
 Dimensions W x D x H (mm):
 single channel: 165 x 200 x 65
 3-channels: 260 x 320 x 155
 Weight:
 single channel: 1.75 kg
 3-channels: 4.7 kg

Additional features of 3 channel SVR 150/3 amplifier:

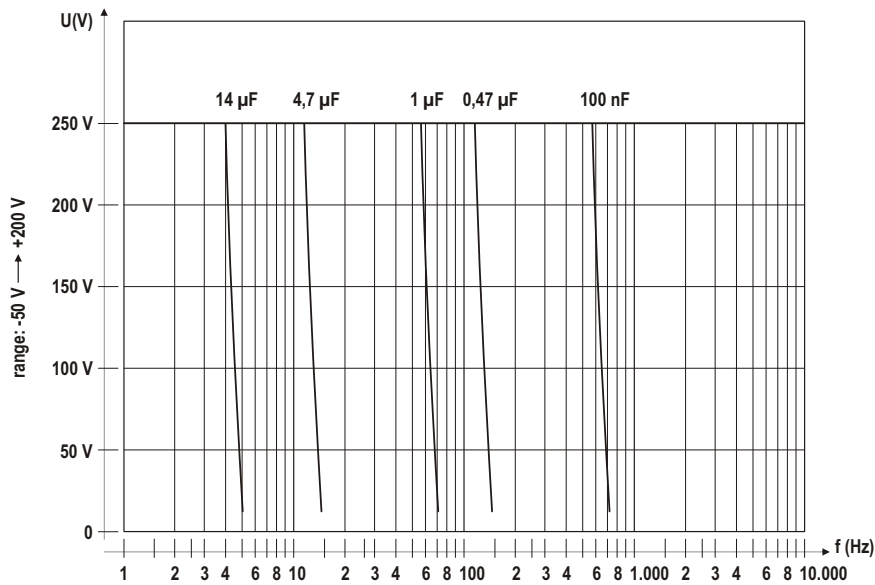
Monitor BNC output per channel:
 shows 1:1000 piezo voltage
 LC-Display per channel

SVR 200/1 (single channel)
SVR 200/3 (3 independent channels)

Voltage range:
 -50 V thru + 200 V

Manual setting of DC-Offset
 (superimposed to external signal)

Variable attenuation



Input:

Signal: +/-5 V (+/-10 V with attenuation)
 Impedance: 5 kOhms
 Connector: BNC

Output:

Connector: BNC
 Voltage total: -50 V thru +200 V
 DC-Offset range: -50 V thru +200 V
 Gain: 40 (without attenuation)
 Max. current: 45 mA
 Noise: 1 mVpp (for 4 Farad load)
 Display: LCD
 Dimensions W x D x H (mm):
 single channel: 165 x 200 x 65
 3-channels: 260 x 320 x 155
 Weight:
 single channel: 1.75 kg
 3-channels: 4.7 kg

Additional features of 3 channel SVR 200/3 amplifier:

Monitor BNC output per channel:
 shows 1:1000 piezo voltage
 LC-Display per channel

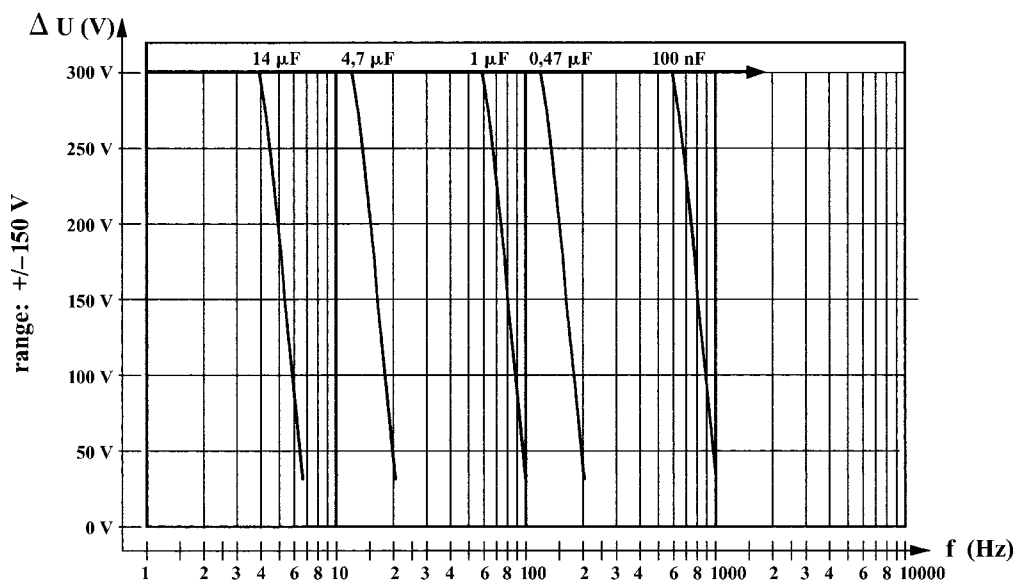
Bipolar Analog Amplifiers SVR

For operation of piezo bimorphs
 Bipolar stacks
 Shear elements
 Other symmetric voltage activation

SVR 150bip/1 (single channel)
SVR 150bip/3 (3 independent channels)

Voltage range:
 -150 V thru +150 V

Manual setting of DC-Offset
 (superimposed to external signal)



Input:

Signal: +/-5 V (+/-10 V with attenuation)
 Impedance: 5 kOhms
 Connector: BNC

Output:

Connector: BNC
 Voltage total: -150 V thru +150 V
 DC-Offset range: -150 V thru +150 V
 Gain: 30 (without attenuation)
 Max. current: 30 mA
 Noise: 0.3 mVpp (for 4.7 Farad load)
 Display: LCD
 Dimensions W x D x H (mm):
 single channel: 165 x 200 x 65
 3-channels: 260 x 320 x 155
 Weight:
 single channel: 1.75 kg
 3-channels: 4.7 kg

Additional features of

3 channel SVR 150bip/3 amplifier:

Monitor BNC output per channel:
 shows 1:1000 piezo voltage
 LC-Display per channel

Analogue High Power Amplifiers LE

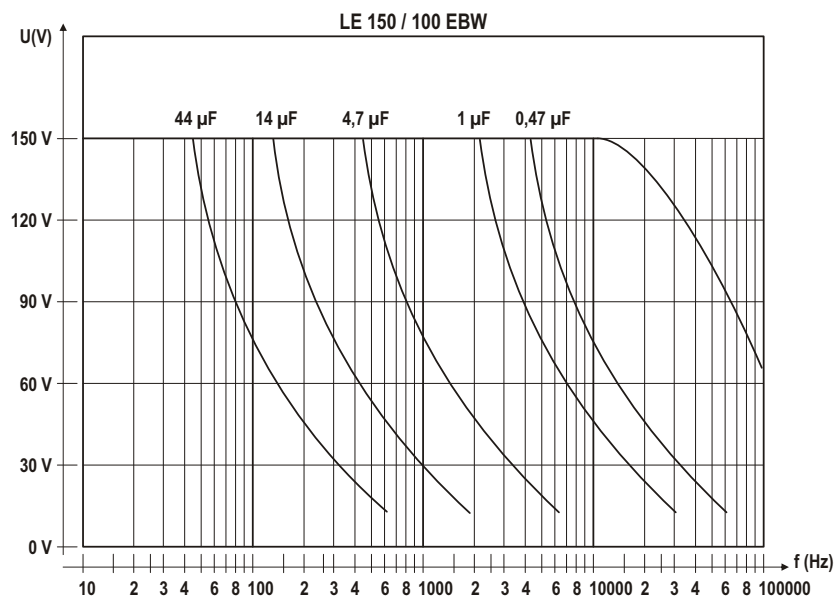
LE 150/100 EBW

Voltage range:
0 V/+150 V

Manual setting of DC-Offset
(superimposed to external signal)

Variable attenuation

70 kHz bandwidth (-3 dB)



Input:

Signal: ± 5 V (± 10 V with attenuation)
Impedance: 5 kOhms
Connector: BNC

Output:

Connector: BNC
Voltage total: 0 V thru +150 V
DC-Offset range: 0 V thru +150 V
Gain: 30 (without attenuation)
Peak current: 1200 mA
Average current: 350 mA
Noise: 20 mVpp (for 4.7 Farad load)
Display: LCD
Dimensions W x D x H (mm):
260 x 320 x 165
Weight: 6.8 kg

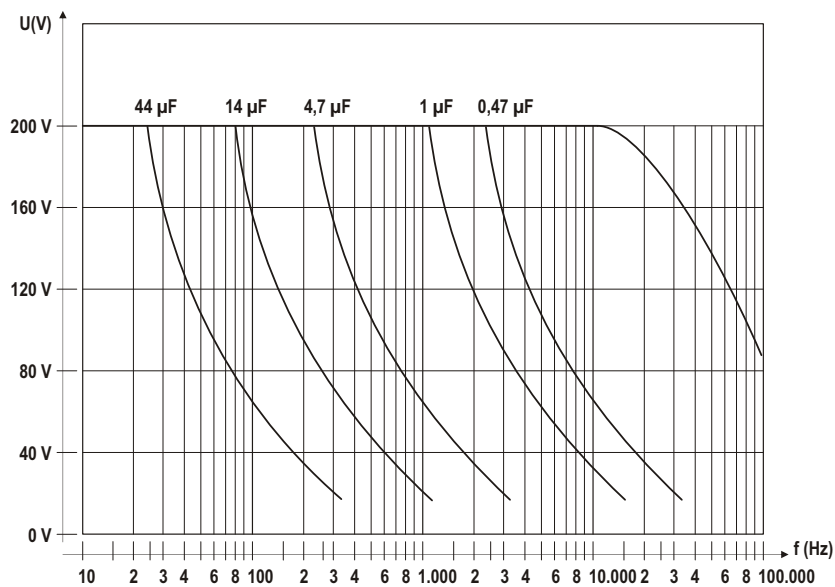
LE 200/070 EBW

Voltage range:
0 V/+200 V

Manual setting of DC-Offset
(superimposed to external signal)

Variable attenuation

70 kHz bandwidth (-3 dB)



Input:

Signal: ± 5 V (± 10 V with attenuation)
Impedance: 5 kOhms
Connector: BNC

Output:

Connector: BNC
Voltage total: 0 V thru +200 V
DC-Offset range: 0 V thru +200 V
Gain: 40 (without attenuation)
Peak current: 700 mA
Average current: 250 mA
Noise: 20 mVpp (for 4.7 Farad load)
Display: LCD
Dimensions W x D x H (mm):
320 x 260 x 165
Weight: 7 kg

Accessories

PIEZOMECHANIK supplies a wide range of connecting systems, adaptors, extension cable to make the installation and compatibility of components as easy as possible.

When a complete actuator/amplifier system is ordered, the actuators will be equipped with the plugs corresponding the amplifier's connector.

Further adaptors are available for the combination of different connector systems.



Adaptors:

Plug	coupler
BNC	LEMOSA 00.250 (low voltage systems)
BNC	LEMOSA 0S.250 (high voltage systems)
LEMOSA 00.250	BNC
LEMOSA 0S.250	BNC

Coaxial cable RG 178 with plug – one end blunt, length 1.5 m standard, other lengths on request

LEMOSA plug 00.250
LEMOSA plug 0S.250
BNC

Extension cables with plug and coupling end, length standard 2 m, other lengths on request

LEMOSA 00.250 system
LEMOSA 0S.250 system

Extension cables combining different connector systems e.g. BNC-LEMOSA on request.