Technical specifications

Frequency response (Clean Gain 30 dB, Tube Gain off, output level 0 dB, +/- 0.5 dB): **‹1 Hz-125 kHz**

Frequency response (Clean Gain 30 dB, Tube Gain off, output level 0 dB, +/- 3 dB): **‹1 Hz-310 kHz**

Frequency response (Clean Gain 30 dB, Tube Gain 1 dB, output level 0 dB, +/- 0.5 dB): **‹1Hz-125 kHz**

THD+N (Clean Gain 24 dB, Tube Gain off, output level +6 dB, 20-22 kHz, +25 dBu out): **0.0005 %**

THD+N (Clean Gain 23 dB, Tube Gain 1 dB, output level +6 dB, 20-22 kHz, +25 dBu out): **0.032 %**

Noise (Clean Gain 10 dB, Tube Gain off, output level 0 dB, 20-22 kHz, A-weighted) **-95.4 dBu**

Noise (Clean Gain 30 dB, Tube Gain off, output level 0 dB, 20-22 kHz, A-weighted) **-91.8 dBu**

Noise (Clean Gain 60 dB, Tube Gain off, output level 0 dB, 20-22 kHz, A-weighted): **-67.2 dBu**

Noise (Clean Gain 20 dB, Tube Gain 10 dB, output level 0 dB, 20-22kHz, A-weighted): **-86.4 dBu**

EIN (Clean Gain 60 dB, Tube Gain off, output level 0 dB, 20-22kHz, A-weighted, 40 Ω): **127.2 dB**

Dynamic response (20-22kHz, A-weighted): **›130 dB**

Common Mode Rejection (Clean Gain 30 dB, Tube Gain off, 1 kHz, Input -30 dBu, output level 0, w/o transformer): **›80 dB**

Maximum Output Level: **+34 dBu**

Max. Input Level (Mic Input, Hi-Z Input): **+17 dBu**

Input Impedance (Instrument input): **›1 MΩ**

Output impedance: **›75 Ω**

Slew Rate (Clean Gain 30 dB, Tube Gain off, Output Level +6 dB): **›40 V/µs**

Phantom power: **48 V +/-2 V**

Power consumption (w/o AD-Converter): **25 W**

Dimensions/weight

Dimensions (W x H x D):	106 x 122 x 271 mm
Weight (w/o Lundahl transformer and AD converter):	2.65 kg

Options

The following accessory is optionally available:

- Lundahl input transformer (upgrades after sale by authorized service personnel or SPL only)
- 24-Bit/96 kHz AD converter (Upgrading after sale can also be done by clients)
- SPL GainBag (Transportation bag for GainStation 1, average-sized microphone and cable)
- 19"/3U mounting frame for up to four GainStation 1

Information on Lundahl input transformers

Transformers have the characteristics usually associated with other analog components like tubes or coils–they sound „warmer“, fatter, punchier, more direct, improved presence without boosting the top end.

One main reason for this is that transformers cancel out a large amount of odd harmonics (those portions of an audio signal that sound harsh to human ears).

The GainStation 1's input transformer delivers 7 dB of additional passive gain, which must be added to the printed values.

Technical specifications are subject to change without notice.