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Technical Notes

FEMTO Improves the Performance of their DLPVA Amplifiers

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FEMTO's new [DLPVA-101-B, -F and -BLN models](#) offer sensitive voltage amplifiers for even more precise measurement of small voltage signals. They replace the corresponding DLPVA-100 variants. The DLPVA-101-B, -F and -BLN models have significantly lower noise, in some cases by an order of magnitude lower, while the range of functions and operation remain identical.

The DLPVA-10x-B series improved from this:

Equivalent input voltage noise	Gain setting	DLPVA-100-B-S	DLPVA-100-B-D
	60, 80 dB	2.4 nV/√Hz	3.6 nV/√Hz
	40 dB	6.4 nV/√Hz	7.3 nV/√Hz
	20 dB	60 nV/√Hz	60 nV/√Hz

to this:

Equ. input noise voltage	gain settings	DLPVA-101-B-S	DLPVA-101-B-D
	20 dB	5.0 nV/√Hz	5.0 nV/√Hz
	40, 60, 80 dB	2.0 nV/√Hz	3.0 nV/√Hz

The DLPVA-101-F-S & D Input Noise Voltage improved to 1.6fV/√Hz from the -100 version of 2nV/√Hz.



FEMTO's DLPVA-101 Voltage Amplifiers join a long line of [Signal Recovery Amplifiers](#) including [Current](#) and [Voltage](#) (Low Noise, [High Speed](#), Wideband), [Lock-in Amplifiers](#), [Photoreceivers & Photodetector Modules](#).

For information on these please contact FEMTO's North American distributor:

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