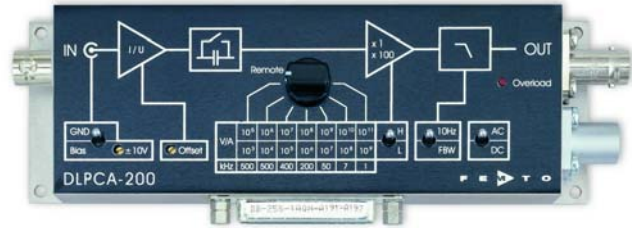


Variable Gain Current Amplifier Comparison

Variable Gain Current Amplifiers

Model DLPCA-200 – The All-Rounder

- Variable gain from 10^3 to 10^{11} V/A
- Detection of sub-pA to 10 mA
- Bandwidth DC to 500 kHz
- Rise time down to 700 ns
- Low noise down to 4 fA/√Hz
- THE all-purpose current amplifier

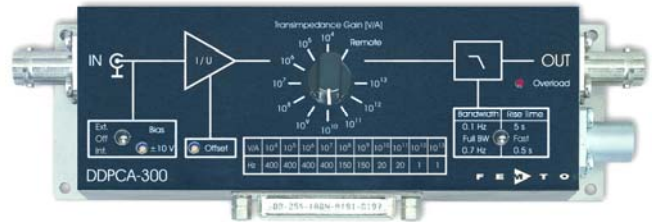


Model DHPCA-100 – For Higher Speed

- Bandwidth DC up to 200 MHz
- Rise time down to 1.8 ns
- Variable gain from 10^2 to 10^8 V/A
- Built-in signal filters for reduced broadband noise

Model DDPCA-300 – For Highest Sensitivity

- Very low noise: min. 0.2 fA/√Hz
- Variable gain from 10^4 to 10^{13} V/A
- > 240 dB dynamic range for sub-fA to mA measurements
- Very low drift < 1 fA
- Easy to use: convert your standard voltmeter to a high-end sub femto ampere meter



Model	DDPCA-300	DLPCA-200	DHPCA-100
Gain Range	$10^4 - 10^{13}$ V/A	$10^3 - 10^{11}$ V/A	$10^2 - 10^8$ V/A
Max. Bandwidth	DC to 400 Hz	DC to 500 kHz	DC to 200 MHz
Min. Rise Time	800 μ s	700 ns	1.8 ns
Min. Spectral Noise	0.2 fA/√Hz	4 fA/√Hz	55 fA/√Hz
Min. Integrated Broadband Noise	0.4 fA peak-peak or 0.06 fA rms	200 fA peak-peak or 30 fA rms	500 pA peak-peak or 75 pA rms
Main Differentiator	Sub Femto Ampere Sensitivity	Broad Application Range	MHz Speed
Common Features	Manual and Remote Control Operation Adjustable Offset and Bias Voltage Compact Design for Use Close to the Signal Source Extremely Well Shielded Housing to Avoid Noise Pick-Up		



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