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Find the *Advanced Research Instruments TDC-50* at our website: *Click HERE*

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TRANSIMPEDANCE AMPLIFIERS

Designed for Fast Photo-Detector Applications

Model	Description
TDC-30	DC-20 MHz Transimpedance Amplifier

The TDC-30 is FET based. A very low noise transimpedance amplifier featuring only 160 nAp-p full bandwidth input equivalent noise and 114dB gain. [0.5V/1μA]

TDC-50	DC-50 MHz Transimpedance Amplifier

The TDC-50 is FET based. A very low noise transimpedance amplifier featuring only 400 nAp-p full bandwidth input equivalent noise and 100dB gain. [1V/10μA]

TDC-100	DC-100 MHz Transimpedance Amplifier

The TDC-100 is FET based. A very low noise transimpedance amplifier featuring only 2 μAp-p full bandwidth input equivalent noise and 80dB gain. [1V/100μA]

DC-100	DC-100 MHz Transimpedance/Voltage Amplifier

The DC-100 can be used in a voltage amplifier mode producing 20dB gain. As a transimpedance amplifier it has only 1μAp-p full bandwidth input equivalent noise and 60dB gain. [1V/1mA]

Note: All amplifiers are housed in the same small package and are pin compatible to ARI's PMT series of transimpedance amplifiers. They are a drop in replacement to the PMT series when wider bandwidth is required. The output amplitude is ±4V maximum when unterminated and ±2V maximum when terminated with 50Ω impedance (recommended).

All ARI Amplifiers typically require a power supply and cabling.
Recommended Power Supply is the ARI Model F-100PS (±15V).

[The above specified gain is valid for a 50 Ω load.]

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