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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

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The Wayback Machine - https://web.archive.org/web/20140821063307/https://www.newport.com/Adjustable-Gain-and-Bandwidth-Balanced-Photoreceivers/917816/1033...

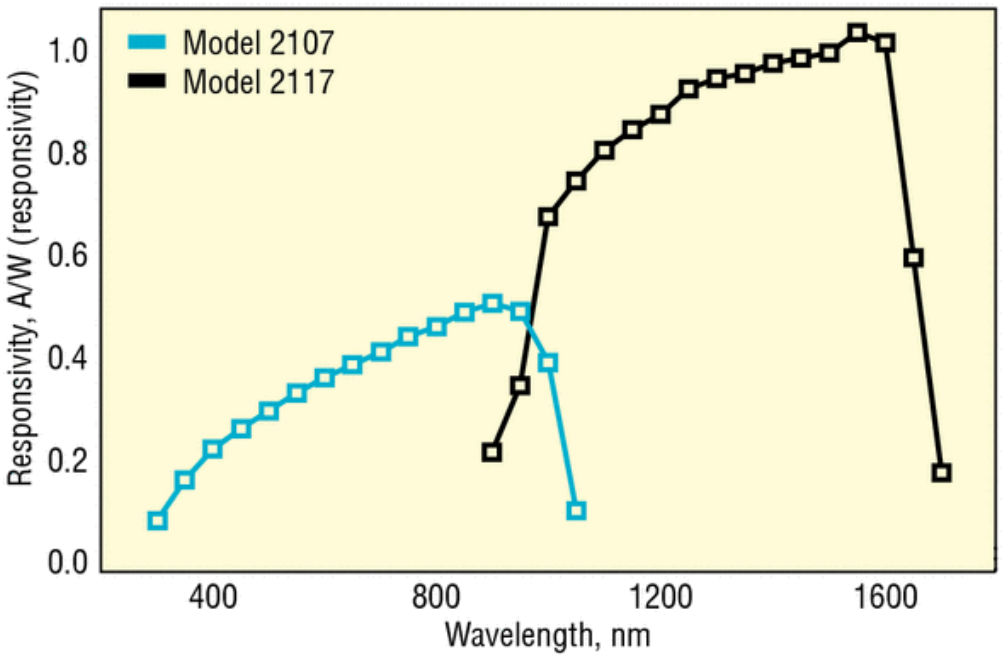
10 MHz Adjustable Gain and Bandwidth Balanced Photoreceivers

- Reduces common-mode noise by 25 dB so you can see your signal
- Better noise performance than our higher-bandwidth versions
- Adjustable gain with adjustable high- and-low-pass ?lters

Based on customer input, we offer the Model 21x7 higher-gain, lower-bandwidth balanced photoreceivers with the same adjustable-gain and -bandwidth settings as our popular 20x1 laboratory photoreceivers. Ideal for coherent heterodyne-detection applications including doppler LIDAR, and optical coherence tomography (OCT), these 10-MHz balanced photoreceivers can make the difference when you need to see a small signal.

Just like our other balanced photoreceivers, the Models 2107 and 2117 balanced photoreceivers work by subtracting the photocurrent from two well-matched photodetectors. Common-mode noise that is present on both the reference and signal beams (such as laser intensity noise) is cancelled out and doesn't appear as part of the signal. Any imbalance between the photocurrents generated by the reference and signal photodetectors, whether intentional or unintentional, is ampli?ed and is seen as the signal.

Both free-space (FS) and FC-connectorized versions are available as well as metric-compatible versions. For your convenience, the Model 21x7 balanced photoreceivers can run off batteries or your own DC power supply. To ensure safe operation, we strongly recommend our Model 0901 power supply.



Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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We're here to make your life easier. How can we help you today?

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