****

**Press Release**

**PicoQuant expands its hybrid photomultiplier detector line-up**

**Two new models from the PMA Hybrid Series are now available, covering broad spectral ranges with excellent detection efficiency**

**Berlin (Germany), 12 April 2017** – PicoQuant has released two new single photon sensitive hybrid photo detector models with excellent temporal resolution for its PMA Hybrid Series: The PMA Hybrid 42 covers the entire visible range from 300 to 850 nm with a detection efficiency of up to 20%. The PMA Hybrid 07 is sensitive in the UV down to 220 nm with a maximum detection efficiency of up to 25% and covers the whole visible spectrum.

Like all detectors from the PMA Hybrid Series, the two new models are ideally suited for time-resolved spectroscopy and microscopy applications due to their very good timing resolution, absence of afterpulsing and extremely low dark counts. The high overload shutdown threshold of the PMA Hybrid modules make them the detectors of choice for rapidFLIM, PicoQuant's ultra fast fluorescence lifetime imaging approach.

All detector assemblies from the PMA Hybrid Series are ready-to-use modules with integrated Peltier cooling, which ensures performance independent from environmental laboratory conditions. As a special feature, these detectors have two signal outputs with either a negative voltage pulse for timing and counting applications and an analog output voltage proportional to the count rate.

****

**About PicoQuant**

PicoQuant is a research and development company in the field of optoelectronics. The company was founded in 1996 and is based in the science and technology park Berlin-Adlershof, Germany. The company is a worldwide leader in the field of single photon counting applications. The product line includes pulsed diode lasers and LEDs, photon counting instrumentation, fluorescence lifetime spectrometers and time-resolved confocal microscopes. PicoQuant employs currently around 60 people. Since April 2008 Sales and Support in North America is handled by PicoQuant Photonics North America Inc.

**Attachment**

Picture of a detector assembly from the PMA Hybrid Series

Caption: PicoQuant’s new hybrid photomultiplier detectors s offer detection efficiencies of up to 25 %.



**Contact**

Nicole Saritas

Marketing

Tel.: +49-30-1208820-0

[mkt@picoquant.com](mailto:mkt@picoquant.com)

www.picoquant.com