

## MCS

MCS stands for **M**ulti **C**hannel **S**caler. At PicoQuant this term is used in the following context: Single photon events, as originating from a **TTTR** measurement are sorted by means of their macroscopic time into equally spaced time bins. What immediately results is a time trace of the fluorescence intensity. In a subsequent analysis the binned ensemble of photons can be used to form **TCSPC** histograms, which in turn can be used for lifetime analysis, time-gated analysis etc.

Copyright of this document belongs to PicoQuant GmbH. No parts of it may be reproduced, translated or transferred to third parties without written permission of PicoQuant GmbH. All information given here is reliable to our best knowledge. However, no responsibility is assumed for possible inaccuracies or omissions. Specifications and external appearances are subject to change without notice.



PicoQuant GmbH  
Rudower Chaussee 29 (IGZ)  
12489 Berlin  
Germany

P +49-(0)30-1208820-89  
F +49-(0)30-1208820-90  
info@picoquant.com  
www.picoquant.com