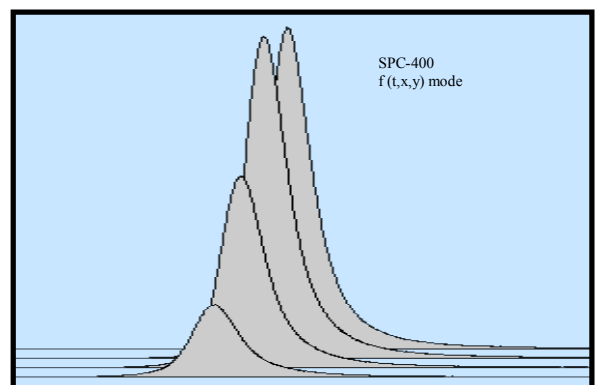
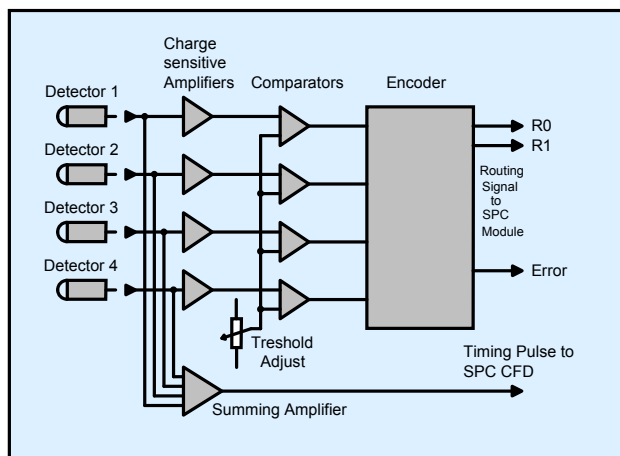
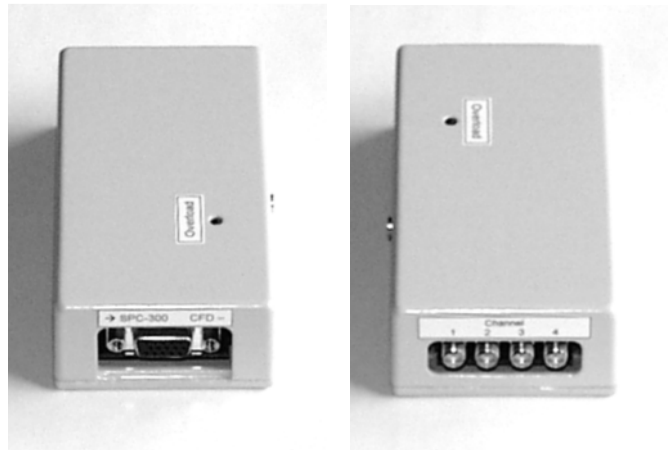


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4 Channel TCSPC Router for PMTs

- Connects up to four separate detectors to one bh time-correlated single photon counting module
- Simultaneous measurement in all detector channels
- Applicable with most PMTs and MCPs
- Time Resolution 30 ps with R3809U MCP
- Count Rate > 1 MHz

The HRT-41 module is used to connect up to four individual detectors to one bh SPC time-correlated single photon counting module. The photons from the individual detectors are routed into different curves in the SPC memory. Thus the measurement yields a separate decay function for each of the detectors. Typical applications are fluorescence depolarisation measurements or simultaneous decay measurements at different wavelengths.



Covered by patent DE 43 39 787

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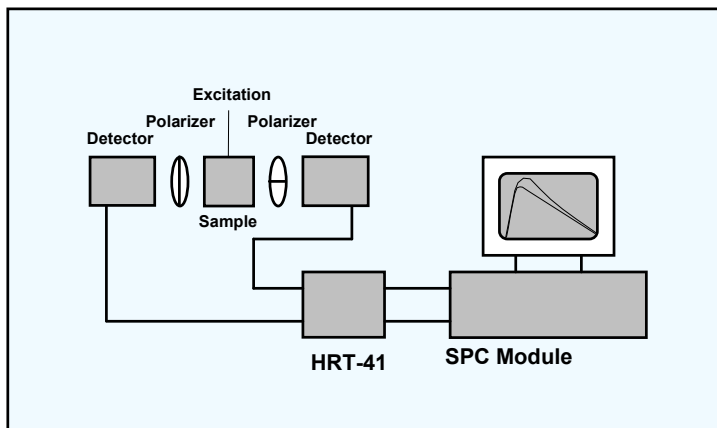

intelligent
measurement
and
control systems

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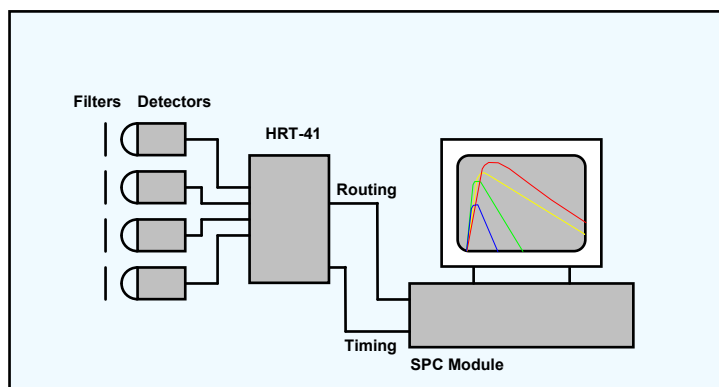
Specification

Input Polarity	negative
Input Connectors	50 Ohm, SMA
Input Pulse Charge for best Routing	0.2 ... 2 pAs
Timing Output Polarity	negative
Delay Difference between Channels	60 ps per Channel
Timing Output Connector	50 Ohm, SMA
Gain of Timing Pulse Output	6
Routing-Signal	TTL 2 bit + Error Signal
Recommended SPC 'Latch Delay'	20 ns
Routing Signal Connector	15 pin Sub-D/HD
Power Supply	+5V, -5V, +12V via Sub-D Connector from SPC Module
Dimensions	110mm × 60mm × 31mm

Applications



Fluorescence Anisotropy
Measurement



Multi Wavelength Decay
Measurement