971001 FluoTime 200 Modular fluorescence lifetime spectrometer including the following components:

Diode laser driver for picosecond pulses
- cw operation of suited laser heads (LDH-D Series)
- 12 internal repetition rates (31.25 kHz to 80 MHz)
- external trigger input, 2 gating inputs

Laser head for picosecond pulses
- 375 ± 10 nm, incl. collimator and temperature stabilisation

Laser head for picosecond pulses
- 440 ± 10 nm, incl. collimator and temperature stabilisation

Laser head for picosecond pulses
- 510 ± 10 nm, incl. collimator and temperature stabilisation

Emission polariser
- 15 mm Glan Thompson prism, "UV Grade", 220-1500 nm
- manually controlled in emission channel

Motorized monochromator
- upgrade to motorized monochromator
- incl. stepper motor, driver, mechanics and TRES software

Assembly for MCP-PMT detector of FluoTime 200
- high voltage power supply, housing including
 shutter interlocked with sample chamber lid
- build in pre-amplifier
– MCP-PMT quoted seperately
– Prepared fr later MCP-PMT cooler

MCP-PMT Photomultiplier
- Type R3809U-50
- Spectral sensitivity range 160 - 850 nm

PicoHarp 300E
TCSPC module with USB 2.0 connection
- two independent input channels with
 min. 4 ps time resolution (time bin width)
- 65535 time bins with 16 bit count depth
- incl. data acquisition software for Windows
- imaging and routing not supported

Host PC system:
- incl. network adapter, DVD-RW drive
- graphic card
- installed and tested software
- optimized for high data throughput
- monitor quoted separately

FluoFit Pro
Software for multi-exponential decay analysis for Windows
- incl. tail fitting and numerical reconvolution
- incl. also lifetime distribution models, anisotropy, global analysis and
 error analysis
- 1 single user license (incl. hardlock)
Front face sample holder for FluoTime 200
- for small solid samples