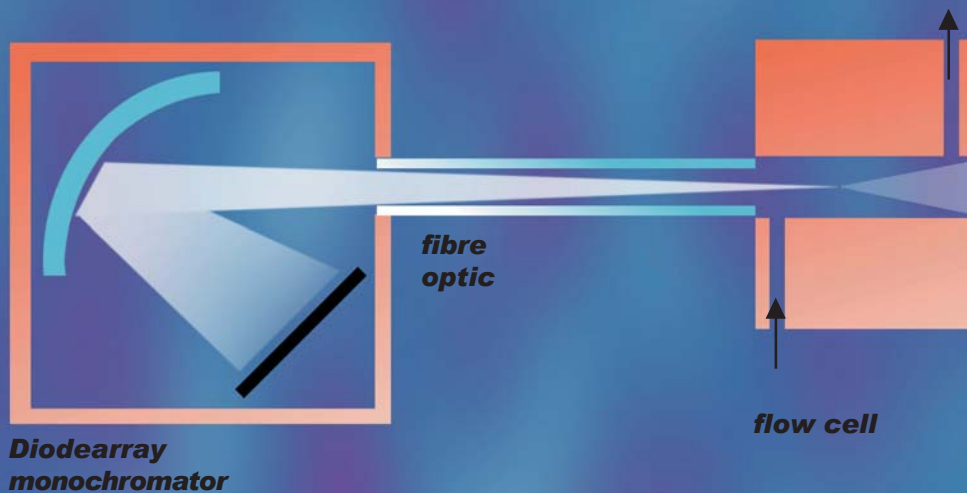




## **UV / vis - Detector DDT - 3200**

### Multitalent in DAD-technique

- Unbeatable value for money
- DAD, 4 or 1 channel version
- D<sub>2</sub> lamp with 2000 hour lifetime guarantee
- Lamps and cell accessible from front
- USB and RS-232 interface
- Integrated solvent recycler with solenoid valve driver
- Easy and clear operation
- Recallable device data, e.g. intensity and running time of lamps
- External control for auto zero and start of wavelength program
- Biocompatibility due to PEEK cell and fittings
- Driver for Clarity chromatography software



## **DURATEC detector DDT-3200, an indispensable component in your HPLC- system**

### **pointing to the future**

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The new DDT-3200 is the first detector of its class with DAD technique. With its varied options it does not only overcome routine analysis in the HPLC but it is also best suitable for special tasks.

There are three different versions: As variable-wavelength-detector with 1-channel- or 4-channel-output or as full DAD with 10Hz sample rate. The VWD can work as stand-alone-device while the DAD is linked to a computer.

### **userfriendly**

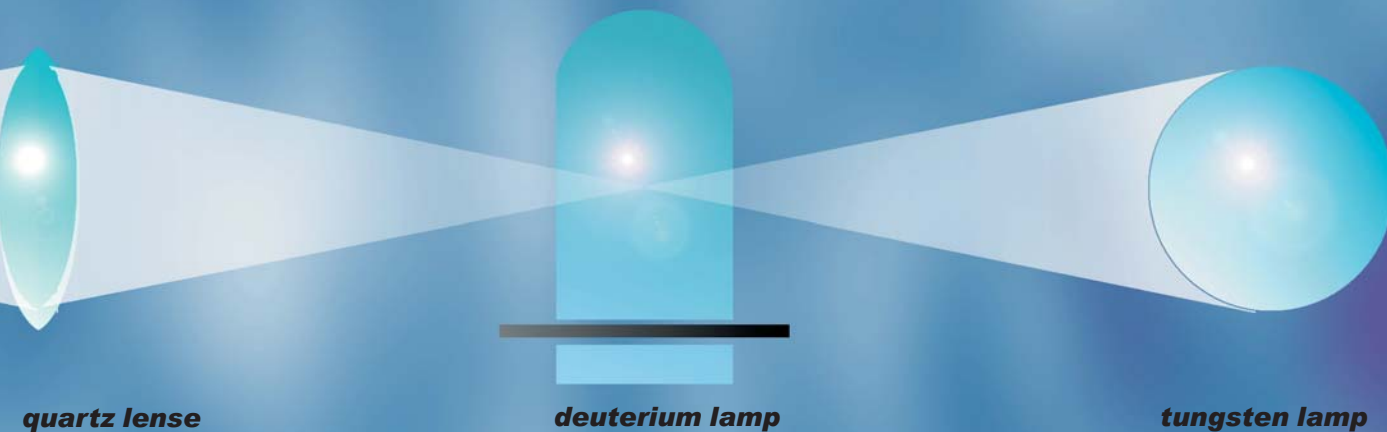
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The components that would have to be exchanged in case of maintenance (e.g. deuterium lamp or flow cell) are accessible by untightening the front panel and pulling out the plug-in unit. The parameter-setup is done via a self-explanatory menu shown in the display. It's possible to set values for the wavelength, time constant, range, sensitivity and the wavelength program.

### **various**

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The DDT-3200 stands out from the traditional detectors of its category by the integrated additional functions. The basic version already offers the possibility of external control, solvent recycling with integrated solenoid valve driver, the time program for changing wavelengths and the verification of the lamps' features. The freely adjustable analog output and USB interface gives the required signal.



*The optical arrangement of the DDT-3200 as diagram*

### clear

The arrangement with a diode-array-monochromator by Carl Zeiss® allows a clear, easily accessible design. That is how the detector is compact and saves space in the laboratory. As options the 1- and 4-channel versions offers the scanning over an adjustable wavelength range. In addition, a serial interface for data collection and the parameter setting is available if desired. The DAD version includes the USB-interface.

### special features

- Unbeatable value for money
- DAD, 4 or 1 channel version
- D<sub>2</sub> lamp with 2000 hour life-time guarantee
- Lamps and cells are accessible from the front
- Time program for changing wavelengths
- Integrated solvent recycler with solenoid valve driver
- Easy and clear operation
- Recallable device data e.g. intensity and running time of lamps
- External control for auto zero and start of the wavelength program
- USB-interface (DAD version)
- Biocompatible due to PEEK-cell and fittings
- Saving of a snapshot of the spectrum
- Serial Interface (RS232) for communication with other data systems (optional)
- Simultaneous output of up to 4 wavelengths (optional)
- Scanning over an adjustable wavelength range (optional)
- Driver for Clarity Win32-Chromatography software

# Technical specifications

Wavelength range	200 ... 700 nm
Wavelength precision	0.3 nm
Optical implementation	diode array monochromator
Spectral resolution	< 7 nm
Pixel dispersion	2.01 nm
Absorption range	0.001 ... 5.0 AU
Flow cell	6 mm optical length, 9 µl dead volume
I/O-Port	- up to 4 analog outputs 1V/FS (optional) - inputs for autozero, start - 3 open-collector-outputs - 24 V/DC solenoid valve driver
Data interface	RS232 port for parameter setting (optional) USB interface for data collection (optional)
Specific characteristics	integrated peak detector and solvent recycler, program for changing wavelengths with up to 10 entries, recall of device data for the GLP documentation, self-explanatory user surface for the parameter setting via keyboard and display
Dimensions	w 220 x h 160 x d 350 mm
Weight	8 kg
P/N	926 200

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