

## photometric UV-VIS detectors

### FOR PREPARATIVE CHROMATOGRAPHY

Ecom (Prague CR) manufactures UV-VIS detectors which can be used in prep chromatography. They are equipped with diode array and thus monitor more wavelengths to verify purity of analyzed samples or to be used in situations when some substances absorb on different wavelengths. There are alternatives with remote cells available too (for large scale systems).



All detectors can be controlled manually by keyboard and display but also using RS232, USB or LAN and proper software (Clarity, Ecomac). At the back panel are available four analog outputs and connector for I/O logical input and output signals.

#### The unit's DAD (diode array detector) design offers many advantages:

- online scan of whole spectrum with speed up to 20 Hz which allows to create 3D picture.
- lamp work hours are counted using the built-in counter for both deuterium and halogen lamps.
- the cell is easy to replace from the side of the detector.
- easy service and diagnostic using display and keyboard or by service SW.

Type	Specification
<b>TOY18DAD 400 H Two Channel UV Detector</b>	Stand alone PDA detector measures at two wavelengths simultaneously in range 200 - 400 nm with possibility to see current scan.
<b>TOY18DAD 400 H Four Channel UV Detector</b>	Stand alone PDA detector measures at two wavelengths simultaneously in range 200 - 400 nm with possibility to see current scan.
<b>TOY18DAD 400 H Scanning Channel UV Detector</b>	Stand alone PDA Scanning detector measures at four wavelengths simultaneously in range 200 - 400 nm or sends scan with speed up to 20 Hz which allows to create 3D picture
<b>TOY18DAD 400 V Scanning UV Detector</b>	An UV (UV-VIS) diode array detector, which allow measuring absorbance of four wavelengths simultaneously in one cell just as measuring of whole spectrum (scan).
<b>TOY18DAD 400 VEX Scanning UV Detector</b>	UV (UV VIS) diode array detectors, which allow measuring absorbance of four wavelengths simultaneously in external cell connected by optical cables, just as measuring of whole spectrum (scan).
<b>TOY18DAD 600 H Two Channel UV Detector</b>	Stand alone PDA detector measures at two wavelengths simultaneously in range 200 - 600 nm with possibility to see current scan.
<b>TOY18DAD 600 H Four Channel UV Detector</b>	Stand alone PDA detector measures at two wavelengths simultaneously in range 200 - 600 nm with possibility to see current scan.
<b>TOY18DAD 600 H Scanning Channel UV Detector</b>	Stand alone PDA Scanning detector measures at four wavelengths simultaneously in range 200 - 600 nm or sends scan with speed up to 20 Hz which allows to create 3D picture.
<b>TOY18DAD 600 V Scanning UV Detector</b>	An UV (UV-VIS) diode array detector, which allow measuring absorbance of four wavelengths simultaneously in one cell just as measuring of whole spectrum (scan).in range 200 – 600 nm
<b>TOY18DAD 600 VEX Scanning UV Detector</b>	UV (UV VIS) diode array detectors, which allow measuring absorbance of four wavelengths simultaneously in external cell connected by optical cables, just as measuring of whole spectrum (scan) in range 200 – 600 nm
<b>TOY18DAD 800 H Two Channel UV Detector</b>	Stand alone PDA detector measures at two wavelengths simultaneously in range 200 - 800nm with possibility to see current scan.
<b>TOY18DAD 800 H Four Channel UV Detector</b>	Stand alone PDA detector measures at two wavelengths simultaneously in range 200 - 800 nm with possibility to see current scan.
<b>TOY18DAD 800 H Scanning Channel UV Detector</b>	Stand alone PDA Scanning detector measures at four wavelengths simultaneously in range 200 - 800 nm or sends scan with speed up to 20 Hz which allows to create 3D picture.
<b>TOY18DAD 800 V Scanning UV Detector</b>	An UV (UV-VIS) diode array detector, which allow measuring absorbance of four wavelengths simultaneously in one cell just as measuring of whole spectrum (scan) in range 200 – 800 nm