



Incentive™ Vision: Highly sophisticated IR/UV probe with additional temperature measuring function

The ITA Incentive™ Parallel reaction Station can be extended by using the IR/UV Incentive™ Vision probe. Simply plug the probe into the USB socket on the Incentive™ for use.

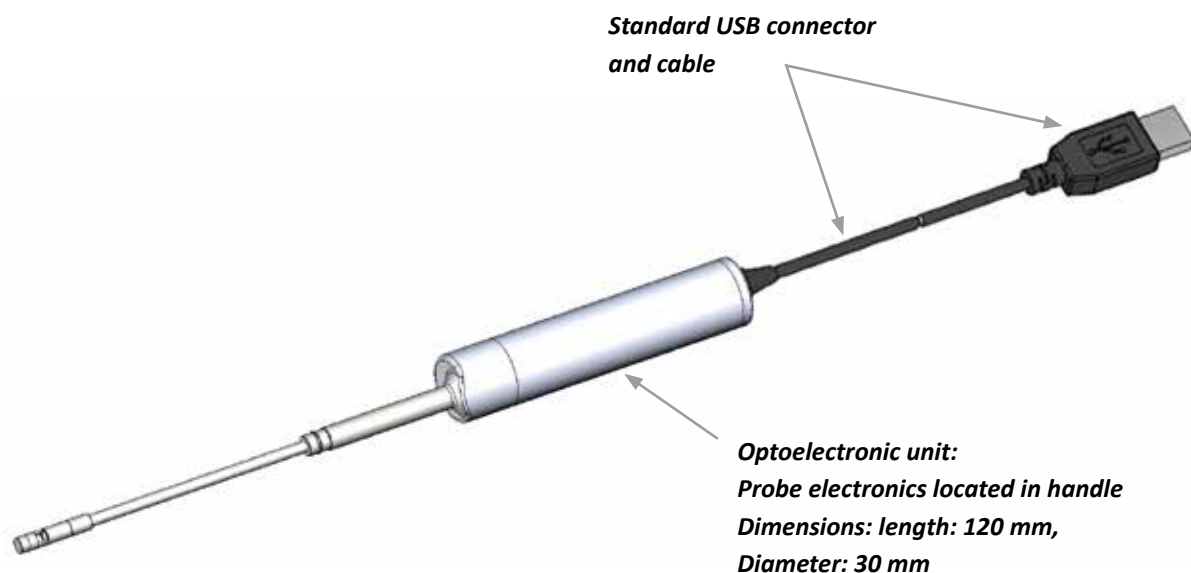
The Incentive™ Vision probe is able to measure UV and IR at 4 different wavelengths. In addition the probe is also able to control and monitor the solution temperature using an additional temperature probe.

The ITA Incentive™ Parallel Reaction Station can take up to 10 probes. (1 probe per module). All the probes are connected via a bus system which collects the signals ready for the microcontroller. The microcontroller processes the incoming data from each module to provide individual results per module and per wavelength used, including the temperature in the solution / experiment.

The Incentive™ Vision probe can also be used away from the device at any time using separate, small and simple software. All you have to do is connect the probe to a PC using the normal USB connection.



*Includes
Probe with 4 x LEDs
and Temperature
probe*



Incentive™ Vision

Technical Specifications

<i>Performance characteristics of the probe</i>	
LEDs	4 x LED, temperature probe plus one reference detector
LED wavelengths	LED1 280 nm +/- 5 nm (UV transmission/Transreflection) LED2 600 nm +/- 5 nm (Ref. Turbidity) LED3 850 nm + 20/- 10 nm (Turbidity) On customer request: LED4 505 nm + 5/- 15 nm (coloured end-point determination): Incentive Vision -1 LED4 340nm +/- 5 nm (kinetic option): Incentive Vision -2
Photodetector wavelength range	PD signal acquisition 220 – 990 nm PD intensity-reference 220 – 990 nm
Total dimensions of optoelectronic unit with USB connector	Materials: <ul style="list-style-type: none"> • Stainless steel / Peek shaft • Glue : EPO-TEK® 353ND from Thorlabs • Fibres: the used fibres should be UV resistant fibres • Seal: CALREZ



The ITA Incentive™ Parallel Reaction Station shown in 6 modules format with glassware and various accessories attached such as the a separately connected temperature probe and the IR//UV probe. All of which can be plugged into the modules via the USB sockets located on the modules. The system requires very little space in your lab.