

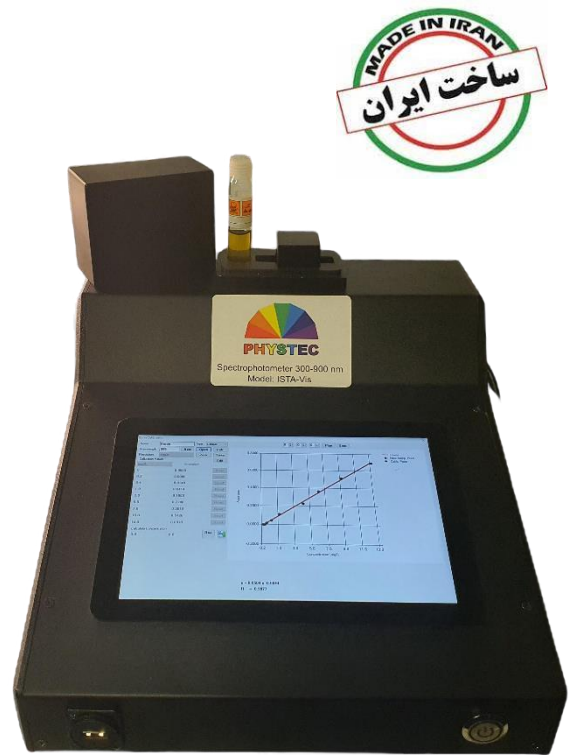
ISTA

3 in 1 spectrophotometer

ISTA-UV (200-800 nm)

ISTA-Vis (300-900 nm)

- Spectrophotometer
- Color measurement (CIELAB)
- Water analyzer



8-inch Full-Color Touch Screen

All- in –One cell holder

(10 mm, 1 inch, 50 mm cuvette and 16 mm round vial)



Features

- You will observe **real-time full spectrum** in the desired range, save it in Excel, or print it.
- Thanks to **UV-enhanced 3648 pixels detector** you have great sensitivity and resolution in UV range.
- For concentration measurement, you can draw and save the **calibration curve** with your own methods and materials, or view the pre-stored curves.
- **The equation of the line and the correlation coefficient (R^2)** are automatically calculated by the software and you can even use higher degree curves instead of the line to draw the calibration curve.
- **Smoothing, fitting curves and calculating the ratio of peaks**, is included in powerful ISTA software.
- In **kinetic measurements**, you will be able to observe and save the changes in the absorption or transmission spectrum over time.

Applications

- Water and Waste water
- Chemical & Petrochemical
- Drugs
- Beverage
- Agriculture & Food
- Biomaterial
- Life Science
- Environmental



3 Years Guarantee
10 Years Services

Specifications:

Operating Mode	Transmittance (%), Absorbance Concentration, Color measurement and Kinetics	Preprogrammed Methods	>30
Source Lamps	Deuterium, Halogen- Tungsten	User programs	>100
Wavelength Range		Sample cell Compatibility	16 mm round vials, 1 inch square, 10x10 and 10x50 mm cuvettes
ISTA-UV	200-800 nm		
ISTA-Vis	300-900 nm		
Wavelength Accuracy	0.1 nm	Dimension	
		ISTA-UV	450 x 350 x 150 mm
		ISTA-Vis	250 x 300 x 150 mm
Resolution	0.7 nm	Weight	<4 kg
Wavelength Reproducibility	± 0.1 nm	Operating Conditions	10 to 40 °C (50 - 104 °F), max. 80 % relative humidity (non- condensing)
Spectral bandwidth	2 nm	Storage Conditions	-30 to 60 °C (-22 to 140 °F), max. 80 % relative humidity (non- condensing)
Photometric Measuring Range	0-3 Abs	Internal Storage	16 GB
Photometric Accuracy	0.007 Abs	Interfaces	Wi-Fi, USB-2
Stray Light	< 0.2 %T	Language	English
Display	8-inch Full- color Touch Screen	Power	220 V AC

Phystec Company: No.002, EPTP, NRI (Niroo Research Institute), Tehran, Iran



www.phystec.ir



+98-21 8836 4614



info@phystec.ir



+98- 912 280 8572