

Discover the Power to  
**REAP TRIPLE ADVANTAGES...**



...with our innovative  
**LABORATORY INSTRUMENTS**

INTRODUCING . . .  
NxGen Range of Laboratory Instruments

TLC SCANNER

**NxGen**  **TLC-10**  
*SCAN*

pH METERS

**NxGen**   
**pHP-03**

**NxGen**   
**pHP-05**

**NxGen**   
**pHP DT+**

# NxGen TLC SCAN-10 : Specifications

## NxGen TLC

EASY • COMPLIANT • MODERN



### EASY TO USE, EASY TO MAINTAIN

- **Compact & Lightweight** : Portable design (30cm x 20cm x 20cm, 4-5 kg) for easy handling.
- **User-Friendly Interface** : Intuitive software for quick image acquisition.
- **Automatic UV Cut-off** : Safety feature that activates when the drawer opens.
- **Portable Battery** : Provides up to 12 hours of operation (analytical screen).
- **Low Maintenance** : Fewer components requiring upkeep, minimizing downtime.
- **Quick Setup** : Simplified installation process for immediate use.



### BUILT FOR COMPLIANCE

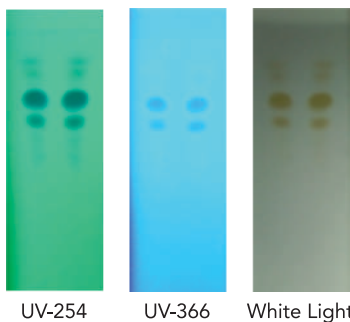
- **Regulatory Compliance** :
  - 21 CFR Compliance ready for electronic records and signatures.
  - GLP Compliance : Meets quality assurance standards required in laboratories .
  - QA Features : Complies with IQ, OQ, and PQ for reliability and usability in regulated environments.
- **Complete User Traceability** : Maintains detailed logs of user activities for accountability and auditing.
- **Access Control and Management** : Role-based access ensures only authorized personnel perform critical actions..

# NxGen TLC SCAN-10 : Specifications

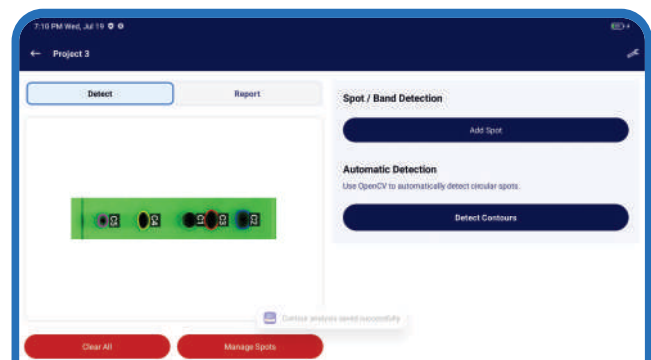


## POWERED BY ADVANCED TECHNOLOGY

- **High-Resolution Imaging** : High-Resolution CMOS Camera with 105-degree FOV for detailed image capture.
- **Multiple Light Sources** : Utilizes 366 nm UV, 254 nm UV, and white light for versatile applications.
- **Multiple Connectivity Options** : Bluetooth, Wi-Fi, and USB Type-C for easy data transfer and device integration.
- **IoT Capabilities** : Enables remote monitoring, control, and data sharing..
- **Advanced Nano Technology Electronics** : Incorporates cutting-edge nano technology for improved performance and efficiency.
- **Innovative Software** : Features a simplistic UI/UX design with intelligent algorithms for analytics, backed by the latest programming technologies for optimal performance and usability.
- **Extensive Image-processing Tools** : Enable advanced analysis and reporting for easier interpretation.

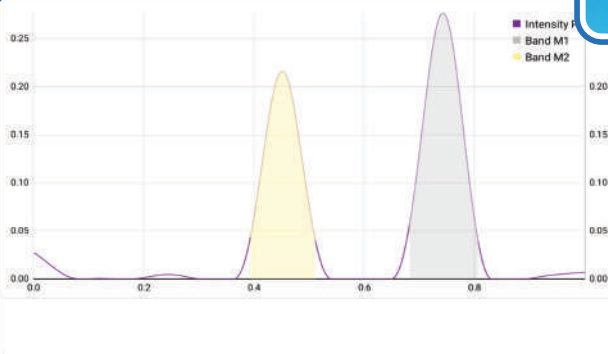


Chromatogram Image Captured Under UV Lights

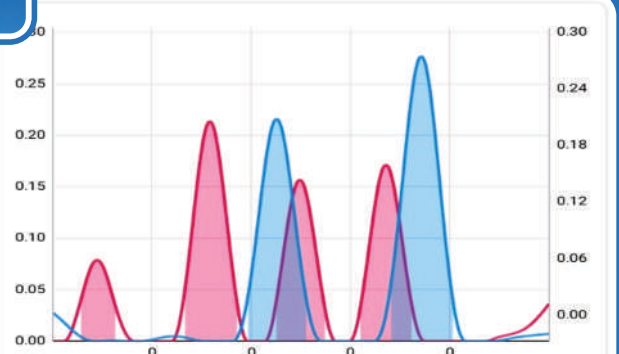


Streamlined and intuitive user interface  
Crafted for ease of use, offering quick access to essential features

NxGen  
SCAN  
TLC -10



In-Depth Intensity Profile Analysis  
Analyze compound separation and quantification effortlessly with precise peak visualization



Multi-Intensity Profiling for Precision  
Delivering precise intensity measurements across multiple data points

# NxGen TLC SCAN-10 : Specifications

Product Description	NxGen SCAN TLC - 10
Illumination sources	UV Tube Short wavelength _254 nm
	UV Tube Long wavelength _366 nm
	Visible light
Tube Size	6"
	Individual toggle switch for each
Display	10.6" HD Touchscreen display
Camera	High Resolution CMOS Camera
Material of Construction	Metal
	The dark room cabinet has features for safety switch that switches off the UV lights as soon as the Tray comes out.
Detection area	125mm x 100mm (12.5cm x 10cm)
Size : L x W x H	371mm x 200mm x 156mm
	37.1 cm x 20cm x 15.6cm
Operating Voltage	170-250V
Frequency	50/60 Hz
Humidity	75%
Temperature	15°c - 50°c
Isolation on 230 v	1 Mega OHM
Box IP Rating	IP 62
Software	TLC Analyzer
Software Specs	Plot intensity graph
	Multi project analysis
	Detailed intensity graph
	Instant reports
	Auto spot & band detection
	Multi image comparison
	User management
	High quality image analysis
	Audit trail & data integrity
	21 CFR compliance ready

## Ordering Information

MODEL NAME	DESCRIPTION	ORDER CODE
NxGen TLC Scan-10	TLC Smart UV Chamber, supporting 254nm, 366nm and Visible Light , Power cable	NG-TLC10

# NxGen pH METER : Advantages

NxGen  
pHP-03

NxGen  
pHP-05

NxGen  
pHP DT+

EASY • COMPLIANT • MODERN



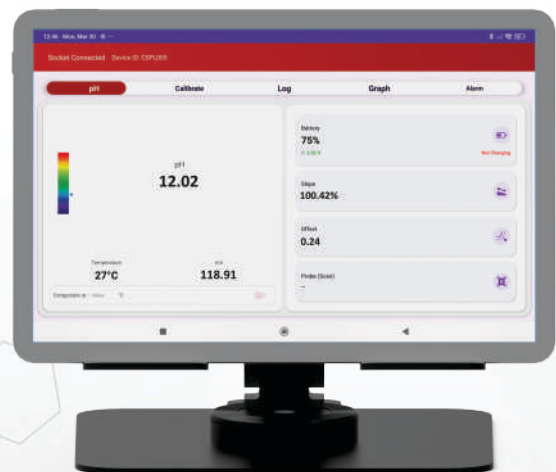
## EASY TO USE AND MAINTAIN

- **User-Friendly Interface** : Color LCD Screen with virtual keys for easy navigation and reading.
- **Automatic Calibration** : Supports up to 5 point calibration with customizable buffers for precise measurements.
- **Portable Design** : Lightweight and rugged, making it suitable for fieldwork and easy handling.
- **AutoHold Feature** : Automatically locks the first stable reading for convenience.



## COMPLIANT TO REGULATORY REQUIREMENTS

- **GLP Functions : Good Laboratory Practice** data ensures calibration history and traceability are maintained.
- **Data Logging** : Stores up to 10 lakh readings for later retrieval and analysis.
- **Calibration Alerts** : Notifies users when calibration is incomplete/improper, promoting consistent accuracy..
- **Access Control** : Optional management features for user access to sensitive functions and data.

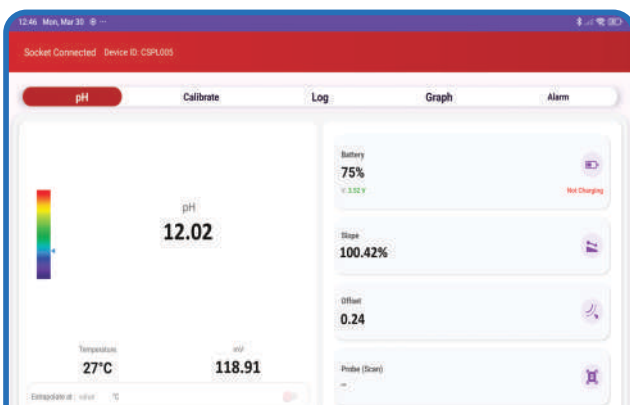


# NxGen pH METER : Advantages

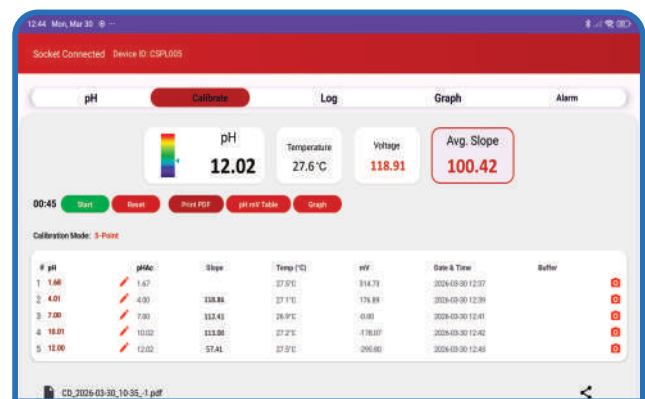


## INTEGRATES MODERN-DAY TECHNOLOGY

- **Integrated Temperature Compensation** : Built-in temperature sensor for accurate pH readings across a range of temperatures (-20°C to 80°C).
- **IoT Capabilities** : Potential integration with smart devices for enhanced monitoring and data sharing.
- **Advanced Software** : Includes intelligent algorithms for data analytics, backed by a simplistic UI/UX for ease of use.
- **Real-Time Notifications** : Alerts for calibration issues and other performance metrics ensure users are informed of the device's status.

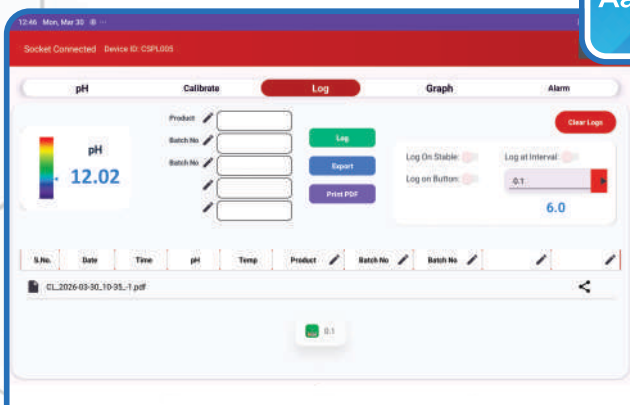


**Instant Data Access**  
Stay informed with real-time pH and temperature readings on the monitor tab

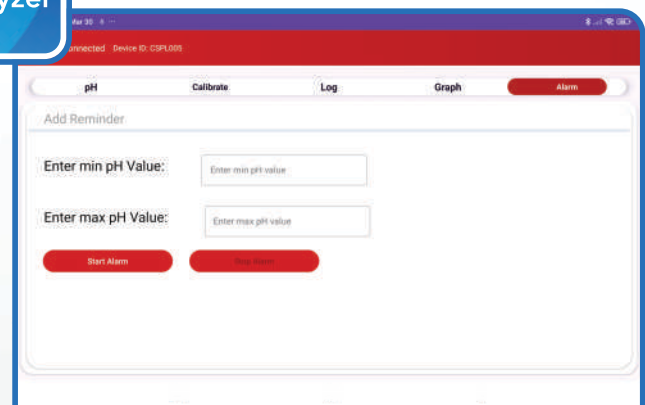


**Simplified Calibration Made Easy**  
Achieve accurate results through a user-friendly and straightforward interface

### pH Meter Analyzer



**Audit Management Made Simple**  
Easily handle all your audit needs with comprehensive logging features



**Automated Alerts and Notifications**  
Boost productivity with instant updates that keep your work flows smooth and efficient

# NxGen pH METER : Specifications

CATEGORY	SPECIFICATIONS	DETAILS
Measurement Modes		pH, mV, Relative mV, with Temperature, Conductivity Support
pH Measurement	Range	0 to 14.00 pH
	Resolution	Selectable: 0.001 / 0.01 / 0.1
	Accuracy	pH±0.05
	Calibration	Calibration with auto-buffer recognition
	Compensation	Automatic from -10°C to 100°C
Temperature Measurement	Range	-20°C to 125°C (-4°F to 257°F)
	Resolution	0.1°C ( 32.18°F)
	Accuracy	±0.5°C
	Compensation	Automatic or manual
	Thermal time constant	15 seconds
	Thermistor temperature range	-20°C to 125°C
Calibration		pH with calibration editing option, relative mV, temperature
Display Features	Type	2.8inch Capacitive Touchscreen Display
	Multi-Parameter Display	Simultaneous display of pH, mV, and Temperature
	Display Backlight	Yes
Communication		Connectivity with tab and directly accessible with Computer and Printer
Data Management	Storage & Capacity	Up to 10 Lakhs+ readings with date and time stamps. All calib data & Log data stored in appsdata base & can be accessible with administration.
	Logging Options	Continuous, interval, manual
	Export Formats	PDF , CSV , Excel
Power Supply	Voltage	Universal 230 V AC 50/60 Hz power adapter (Cat. No. 1010003)
	Battery	Rechargeable lithium-ion battery
	Sleep Mode	After 5 Minute of no activity

# NxGen pH METER : Specifications

CATEGORY	SPECIFICATIONS	DETAILS
Physical Specifications	Material of Construction	High-impact ABS or Polycarbonate with chemical-resistant coating
	Electrode Holder	Adjustable holder
Advanced Features	Electrode Diagnostics	On-screen monitoring for electrode condition
	Firmware Upgrades	Via USB or Wi-Fi
	Alarm System	Configurable alarms for out-of-range measurements
	Output	High/low limit alarm, calibration due alarm

## Ordering Information

MODEL NAME	DESCRIPTION	ORDER CODE
NxGen pHP-03	pH Meter (3 point calibration), pH Glass Electrode, Temperature Probe, Charger with type-C Cable	NG-PHP-03
NxGen pHP-05	pH Meter (5 point calibration) with stand, pH Glass Electrode, Temperature Probe, 10.6 inch HD Touchscreen Display with stand & Charger with type-C Cable,	NG-PHP-05
NxGen pHP DT+	pH Meter (5 point calibration) with stand, pH Glass Electrode, Temperature Probe, 10.6 inch HD Touchscreen Display with stand, CPU, Wi-Fi Router, Adapter with power cable & Charger with type-C Cable,	NG-DTPLUS

# NxGen pH METER : Features

## NxGen PHP-03

Measurement Modes	pH, mV, Relative mV, with Temperature,
Accuracy	±0.05
Resolution	0.01 pH
Calibration Type	3-Point calibration
Wireless Connectivity	No
Automatic Temperature Compensation (ATC)	Yes
On-board Display	2.8inch Capacitive Touchscreen Display
Removable Temperature Sensor	Yes
Accessories	pH Meter (3 point calibration), pH Glass Electrode, Temperature Probe,Charger with type-C Cable

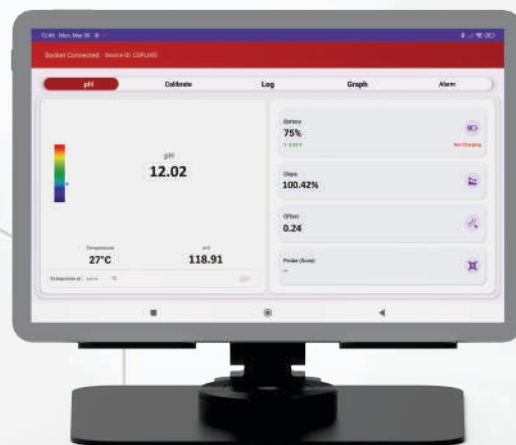


# NxGen pH METER : Features

## NxGen PHP-05

### FEATURE

Measurement Modes	pH, mV, Relative mV, with Temperature, Conductivity Support
Accuracy	±0.05
Resolution	0.01 pH
Calibration Type	5-Point calibration for superior accuracy
Wireless Connectivity	Yes, enables seamless data transfer
Device Activity Logging	Comprehensive tracking of device usage
File Sharing	Easy file sharing capabilities
Automatic Temperature Compensation (ATC)	Yes
10" Inch Tablet	Integrated with a large touchscreen for intuitive operation
Removable Temperature Sensor	Yes, allowing for convenient maintenance and replacement
Accessories	pH Meter (5 point calibration) with stand, pH Glass Electrode, Temperature Probe, 10.6 inch HD Touchscreen Display with stand & Charger with type-C Cable,



# NxGen pH METER : Features

**NxGen**   
**pHP DT+**

## FEATURE

Accuracy	Dependable precision for critical laboratory applications
Resolution	Fine measurement detail to support various testing needs
Calibration Options	
- 3-Point Calibration	Simplifies basic calibration processes
- 5-Point Calibration	Advanced calibration for enhanced accuracy across a broader pH range
Wireless Connectivity	Effortlessly share data without the constraints of wires
21 CFR Compliance	Meets regulatory standards for laboratory instruments, ensuring reliability in pharmaceutical applications
User Data Activity Logging	Comprehensive tracking of user interactions for quality control
Device Data Activity Logging	Monitor device performance and maintenance history effectively
File Sharing Capabilities	Easily disseminate important data and reports with colleagues
Automatic Temperature Compensation (ATC)	Ensures accurate measurements in varying temperatures
On-board Display	Intuitive interface for real-time monitoring and adjustments
10.6 inch Tablet Display	Large touchscreen for enhanced usability and data visualization
Removable Temperature Sensor	Convenient for maintenance and replacement to ensure optimal performance
Accessories	pH Meter (5 point calibration) with stand, pH Glass Electrode, Temperature Probe, 10.6 inch HD Touchscreen Display with stand, CPU, Wi-Fi Router, Adapter with power cable & Charger with type-C Cable,






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