

# PROGNOSYS™ FOR TU5 SERIES TURBIDIMETERS

## Eliminate last minute maintenance emergencies.

Prognosis is a predictive diagnostic system that allows you to be proactive in your maintenance, by alerting you to upcoming instrument issues. Know with confidence whether changes in your measurements are due to changes in your instrument or your water.



### Measurement Indicator

The Measurement Indicator monitors the instrument's components and uses that information to alert the user to upcoming instrument needs before measurements become questionable.



### Service Indicator

The Service Indicator tracks the number of days until the instrument will require maintenance or service.

**Time to plan your maintenance before your measurements are affected!**

### MAINTENANCE REQUIRED



#### Measurement Indicator:

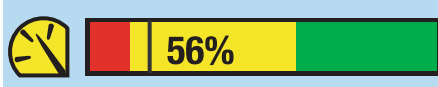
- Measured turbidity is above maximum instrument measured limit
- No laser functionality
- Vial condition unacceptable
- Any instrument error



#### Service Indicator:

- 1 day or less remaining until the next recommended maintenance task
- Laser replacement due
- Desiccant requires change
- Automatic Cleaning Module wiper replacement due

### MAINTENANCE PENDING



#### Measurement Indicator:

- Measured turbidity is approaching maximum calibration or instrument measured limit
- Laser functionality is reduced
- Drying system compromised
- Check vial for cleanliness and condensation
- Flow is outside of expected range
- Any instrument warning



#### Service Indicator:

- 2-7 days remaining until the next maintenance task (user adjustable)
- Laser replacement pending
- Decreasing desiccant useful life
- Automatic Cleaning Module wiper requires change soon

### OPTIMAL PERFORMANCE



#### Measurement Indicator:

- Measured turbidity is within an appropriate range for calibration or instrument calibration
- Laser is functioning as expected
- Vial is clean
- Drying system functional
- Flow is within expected range



#### Service Indicator:

- 7-14 days remaining until the next maintenance task (user adjustable)
- Laser is functioning as expected
- Expected desiccant life remaining
- Automatic Cleaning Module is functional

**NOTE:** Many of the parameters and tasks considered for the Measurement Indicator will also be displayed through the Service Indicator if the related instrument components require maintenance soon.

## Principle of Operation

Prognosys is an easy-to-install sc1000 module that allows you to be proactive in your maintenance. This system alerts you to upcoming maintenance tasks by monitoring the instrument's internal components and tracking service requirements. We've leveraged our expertise to give you absolute confidence in your on-line instrumentation and the quality of your measurement results.

The two Prognosys indicators give you all the information you need to plan your preventative maintenance and avoid unexpected maintenance emergencies. The service indicator is designed to make your maintenance planning easy, with clear visibility of upcoming tasks. As a part of the service indicator, Prognosys tracks the number of days until required action for each maintenance task. The measurement indicator goes beyond tracking expected maintenance work and interprets the instrument's internal signals to inform the user of instrument condition. The reading is expressed as a percentage value and is designed to help you know when your instrument requires maintenance before your measurements become questionable and might affect your process.

The Prognosys sensor works with a variety of Hach sc sensors when used with the sc1000 controller. By giving you immediate awareness of instrument condition, Prognosys allows you to take a truly proactive approach to your maintenance. Know with confidence whether changes in your results are due to changes in your instrument or your water.

## Specifications\*

### System Requirements

sc1000 digital controller software version 3.20 or higher

### Additional Prognosys Instruments

Prognosys is currently included in:

- RTC systems
- 5500sc analyzer (does not require an sc1000 controller)

Prognosys can be used for:

- AISE sc
- AMTAX sc
- AN-ISE sc
- LDO2
- NISE sc
- NITRATAX sc
- PHOSPHAX sc
- SOLITAX sc
- SONATAX sc
- TU5300 sc
- TU5400 sc



\*Subject to change without notice.

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