Out with the old. In with the new.

The 1720E is going away. What do I do now?

A. First and foremost, don't worry. Hach launched the first continuous reading turbidimeter in 1957 and since then we've reinvented the turbidimeter to take advantage of the latest technological advancements. We know you'll enjoy 1720E's replacement, the TU5300, as it follows our tradition for continuous improvement.

What is the 1720E going to be replaced with?

A. We're replacing the 1720E Turbidimeter with the TU5 Series. The TU5 Series is better in every way. Aside from a sleek new design, the TU5 Series Turbidimeter has greatly improved speed and precision, lowered cost of ownership, and reduced routine maintenance.

Why should I upgrade to the TU5?

A. The new TU5 Series Turbidimeters offer a number of product enhancements compared to the 1720E such as:

- Streamlined calibration with sealed vials
- A stable laser light source eliminates the need for annual lamp replacements
- 360° x 90° of detection to see more of a sample than any other turbidimeter, delivering the best low level precision and sensitivity while minimizing variability from test to test.
- Identical 360° x 90° detection technology in the TU5 benchtop turbidimeter for results that match.
- The TU5 Series Turbidimeters are faster in every way including reduced maintenance time compared to the 1720E Turbidimeters. See for yourself in our "Old versus New" comparison video at www.hach.com/TU5

Maintenance	1720E	TU5
Turbidimeter Cleaning	10 minutes	1 minute
Turbidimeter Calibration	15 minutes	1 minute
Turbidimeter Validation w/Benchtop Unit	10 minutes	5 minutes

- The TU5 Series Turbidimeters are compliant with EPA approved Method 10258 in drinking water applications and EPA approved Method M5271 for wastewater applications. The TU5 Series Turbidimeters are also available in an ISO compliant versions.
- The TU5300 and TU5400 are available with the following options:
  - Flow Sensor – identification of flow rate through your turbidimeter and notification if there is no flow to your turbidimeter
  - Automatic Cleaning Module (ACM) – automatic cleaning of the sample cell at defined intervals
  - System Check – notification of sample cell presence and health
  - RFID – receive and transmit data to/from your TU5 Series lab and process instruments for easy comparison

Learn about the NEW Hach TU5 Series Turbidimeters and how it can work for you at: www.hach.com/TU5.

Can I use the TU5 Series for wastewater applications? If so, where can the TU5300/TU5400 be installed at a wastewater treatment plant?

The TU5 Series is recommended for post-tertiary wastewater applications when used in conjunction with the automatic cleaning module and fiber wiper. For primary, secondary, or pre-tertiary treatment, we recommend either Surface Scatter or Solitax. If using the TU5 Series in wastewater for regulatory reporting, the TU5 Series is compliant with the EPA approved alternate Method M5271. However, when changing to a new compliance monitoring method, we recommend that you check for approval with your local regulatory authority. If you require a specific method other than Method M5271 please contact your local Hach representative.

HACH®
Be Right™

Turbidity Evolved

Experience more precise and repeatable results with innovative technology

The new TU5 Series Turbidimeters offer a number of product enhancements compared to the 1720E. A few product enhancements include:

- Our 360° x 90° optical design sees more of your sample, delivering the best low-level precision and sensitivity while minimizing variability between measurements.
- Identical 360° x 90° Detection Technology in both process and lab TU5 Series Turbidimeters.
- Detect events almost immediately with a smaller sample volume.
- Less routine maintenance with 98% less sample surface area to clean and sealed vials for calibration.
- Optional Flow Sensor, Automatic Cleaning Module, System Check, and RFID.

TU5 makes upgrading easy

Replacement is simple due to the identical wall mounting patterns on the TU5 Series and 1720E. Also, the TU5 Series Turbidimeters are compatible with the SC200 and SC1000 Hach controllers. All of this gives you the next standard in the evolution of turbidity.

For more information, please visit: hach.com/TU5

The future of turbidity is here!

Turbidimeter Timeline

1957

The continuous reading turbidimeter is pioneered.

1964

Hach launches the first 1720 Turbidimeter.

1975

Hach launches the 1720A Turbidimeter.

1983

Hach launches the 1720B Turbidimeter.

1988

Hach launches the 1720CTurbidimeter.

1997

Hach launches the 1720D Turbidimeter.

2003

Hach launches the 1720E Turbidimeter.

2016

Hach launches the TU5 Turbidimeter.

HACH®

Be Right™