

# Frying oil tester with app connection

**testo 270 BT – Ensure frying oil quality and save costs**

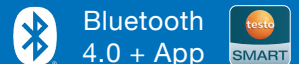
Objective, fast and reliable oil quality testing on site, including seamless documentation via the testo Smart App

Measurements are possible with or without the app. The app supports you with the measurement and ensures error-free, digital documentation

Measurement can be taken directly, safely, and quickly in hot oil

Tracking of measurement data: CSV data export or professional reports in PDF format (incl. signature & comment function) for regulatory requirements and internal quality assurance

Independent calibration on site using the reference oil, via the testo Smart App\*



testo Smart App for free download



The new testo 270 Bluetooth frying oil tester promotes faster and more reliable monitoring of frying oil quality thanks to its connection to the testo Smart App. With the latest version of the testo 270, documenting TPM values directly to your mobile device makes this a must-have for keeping track of your oil and food quality quickly and effectively.

The testo 270 BT reliably measures the proportion of “Total Polar Materials” (TPM) in frying oil and displays this as a percentage as the oil degrades overtime. Thanks to the new app connection, you can seamlessly transfer your measurement results to your smartphone or tablet to ensure error-free, digital documentation over the life cycle of the oil. This means you know exactly when it's time to change your cooking oil. Get instant alerts and recommendations based on your TPM measurements to optimize the quality of your frying oil. The colored display illumination\* clearly indicates the condition of the oil: Green for a healthy TPM

content, orange for a critical value and red for exceeded limit values. Define individual TPM limit values based on the food quality and oil blends. Secure important instrument configurations with a PIN to prevent accidental changes.

## The testo 270 BT also retains its proven features:

- The ergonomic design which protects you from direct contact with the hot frying oil.
- The robust workmanship and easy cleaning under running water (protection class IP65).
- The option of self-calibration\* with optional reference oil.

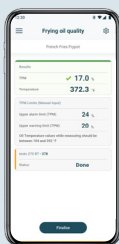
Optimize your frying processes with the new testo 270 BT and make it even easier to monitor and maintain your high product quality while reducing your oil consumption.

# Technical data/accessories

## testo 270 BT

Frying oil tester testo 270 BT with Bluetooth in a case, with reference oil, short instructions, full instruction manual and training card, as well as calibration protocol and batteries

Order no. 0563 2770 01



### The testo Smart App

- **EFFICIENT:** Fast, error-free and complete documentation of all measurement results
- **RELIABLE:** Storage of measured values with precise traceability over defined periods and professional reporting in pdf format
- **INTUITIVE:** Intuitive and simple operation, also for less experienced personnel



Download the testo Smart App now and use all the benefits!



### Sensor type

### Testo frying oil sensor capacitive (%TPM); PTC (°C)

|                      |                                                                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Measuring range      | 0.0 to 40.0 %TPM<br>104 to 392 °F (+40 to +200 °C)                                                                                                      |
| Accuracy<br>±1 digit | ± 2 %TPM 104 to 374 °F (+40 to +190 °C)*<br>2.7 °F (±1.5 °C)<br>*(typical, based on Testo in-house reference, at an ambient temperature of 77°F (25°C)) |
| Solution             | 0.5 %TPM<br>0.1 °F (0.1 °C)                                                                                                                             |

### General technical data

|                                  |                                                                                                                                                                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mobile app (Android/iOS)         | Can be used with or without testo Smart App                                                                                                                                                                                                                 |
| Conformity                       | HACCP, NSF                                                                                                                                                                                                                                                  |
| Frying oil operating temperature | 104 to 392 °F (+40 to +200 °C)                                                                                                                                                                                                                              |
| Storage temperature              | -4 to 140 °F (-20 to +60 °C)                                                                                                                                                                                                                                |
| Operating temperature            | 32 to 122 °F (0 to +50 °C)                                                                                                                                                                                                                                  |
| Dimensions                       | 2 X 6.7 X 11.8 in (50 x 170 x 300 mm)                                                                                                                                                                                                                       |
| Weight                           | 9 oz. (255 g)                                                                                                                                                                                                                                               |
| Display                          | LCD, 2-line, display illumination (green/orange/red)*, optional: testo Smart App                                                                                                                                                                            |
| Battery type                     | 2 AAA batteries                                                                                                                                                                                                                                             |
| Battery life                     | Bluetooth deactivated: approx. 25 h continuous operation (corresponds to approx. 500 measurements)<br>Bluetooth activated: approx. 20 h continuous operation (corresponds to approx. 400 measurements)                                                      |
| Housing material                 | ABS / ABS-PC fibre glass 10%                                                                                                                                                                                                                                |
| Response time                    | approx. 30 sec                                                                                                                                                                                                                                              |
| Protection class                 | IP65                                                                                                                                                                                                                                                        |
| Calibration                      | On-site calibration with reference oil (Sold Separately); ISO calibration by TIS                                                                                                                                                                            |
| Alarm function                   | Upper and lower TPM limit value freely adjustable (incl. measuring basin-related limit values)*, visual alarm via 3-color display backlighting (green, orange/red), values and illumination flash in the display until the measurement is ended (Auto Hold) |

\*Additional function is available after App registration

### Measuring instrument accessories

### Order no.

|                                                                                                       |           |  |
|-------------------------------------------------------------------------------------------------------|-----------|--|
| Storage case for testo 270 BT                                                                         | 0516 7302 |  |
| Reference oil for calibrating and adjusting testo 270 BT frying oil tester (1 x 100 ml)               | 0554 2650 |  |
| ISO calibration certificate analysis; calibration points approx. 3 %TPM and approx. 24 %TPM at +50 °C | 0520 0028 |  |