# Thermo Scientific TruScan GP

Handheld Raman for material identification

**With the ever evolving regulatory environment and the drive toward lean manufacturing, it is now more critical than ever to implement efficient, accurate incoming raw material identification. With the Thermo Scientific TruScan GP analyzer, pharmaceutical manufacturers can obtain reliable material identification within seconds using this value oriented solution.**


## Fast

Overall performance provides fast results, and enables quick signature development and data synchronization.

## Broad Material Coverage

State-of-the-art optics allow measurement of materials for which Raman analysis was traditionally considered too slow.

## Smart

Built-in smart features, such as assisted signature acquisition and device qualification warnings, ensure successful material identification and prevent user error.

## Easy to use

Intuitive user interface is consistent with current good manufacturing processes. The embedded administration makes 'on the go' analysis quick and simple.

## Lightweight

Weighing less than 2 pounds (0.9 kg), the analyzer is ergonomically designed to increase comfort and productivity during inspections.

The Thermo Scientific™ TruScan™ GP analyzer is the latest in our TruScan family of handheld Raman spectrometers for raw material identification and finished product inspection.

Designed for those who require identification of raw materials in a constrained budget environment, our light, fast, and portable analyzer performs rapid material identification at the point-of-need to decrease sampling costs and increase inventory turns. Its intuitive operation and nondestructive point-and-shoot sampling facilitates rapid identification of a broad range of chemical compounds through sealed packaging to minimize the risk of contamination and exposure.

The TruScan GP analyzer offers the proven identification capability of our flagship Thermo Scientific™ TruScan™ RM analyzer, at a cost-effective price point. Our TruScan family of products are now used in hundreds of pharmaceutical manfacturing sites globally to deliver a state-of-the-art optical platform paired with a revolutionary embedded analysis package.

Applications include:

- Pharmaceutical incoming raw material identification
- Counterfeit screening
- Chemical manufacturing raw material and finished product identification

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The TruScan GP analyzer performs identification through sealed packaging to minimize risk of contamination and exposure.

| Thermo Scientific TruScan GP | |
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| **Raman Spectrum Range** | 250 to 2875 $cm^{-1}$ |
| **Spectral Resolution** | 8 to 10.5 $cm^{-1}$ (FWHM) across range |
| **Laser (excitation wavelength)** | 785 nm +/- 0.5 nm, 2 $cm^{-1}$ line width, stability <0.1 $cm^{-1}$ |
| **Laser Output Power** | 250 mW +/- mW |
| **Collection Optics** | NA = 0.33, 18 mm working distance; 0.2 to 2.5 mm spot size |
| **Exposure** | Automatic modes (12 ms minimum) |
| **Battery** | Rechargeable internal lithium ion battery > 3 hours operation |
| **External Power Supply** | DC wall adapter, 100-240 V AC 50/60 Hz |
| **Weight** | 2 lb (0.9 kg) |
| **Size** | 8.2 in x 4.2 in x 1.7 in (20.8 cm x 10.7 cm x 4.3 cm) |
| **Operating Temperature** | -20 °C to + 40 °C (continuous) |
| **Barcode Supported Symbologies** | Most linear and 2D standards |
| **Measurement Accessories** | Vial and tablet holders (optional) |
| **Compliance** | FDA 1040, 21 CFR part 11, CE certification |

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