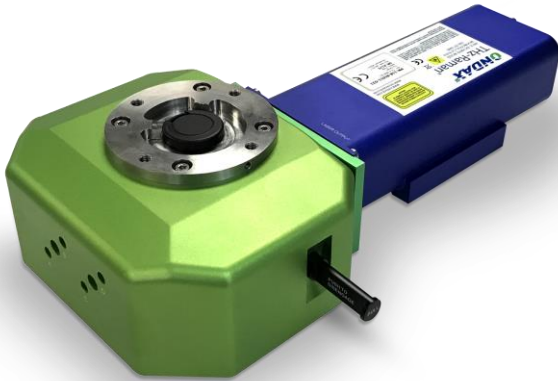


THz-Raman® Microscope Adapter Accessory



Microscope Adapter for TR-Probe

FEATURES

- Precise, repeatable mounting of any TR-Probe Module via standard dovetail mounting flange
- In/Out optical switch to remove Probe from optical path
- Integrated externally-accessible optical alignment adjustments for beam centering
- Safety interlock control via externally mounted terminal block
- Compatible with most Leica, Olympus, Nikon or Zeiss microscopes

Close-up showing accessible adjustment access holes, dovetail ring mount (interchangeable to adapt to different microscope brands), and the push/pull lever bring the probe beam into the optical path.

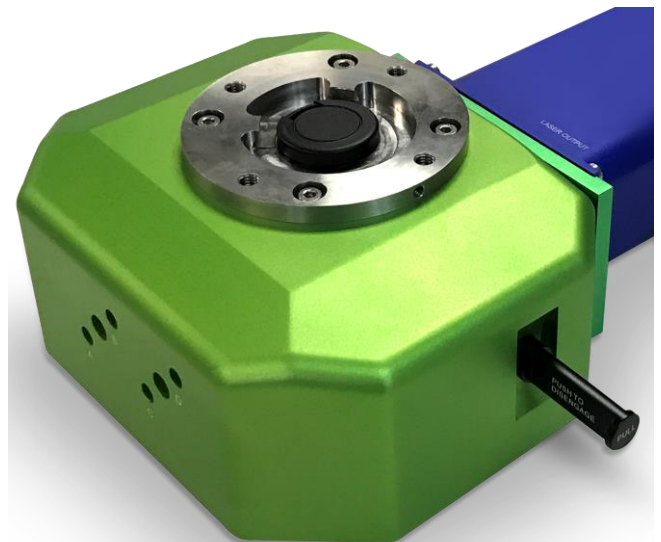
Ondax's new **Microscope Adapter Accessory** provides convenient and repeatable mounting of our patented¹ **TR-Probe** THz-Raman® module onto any scientific-grade microscope. This enables precise identification and location of sample areas of interest, or Raman mapping measurements (when used with motorized stage platforms).

The adapter includes externally accessible mirror adjustments for centering the excitation beam within the microscope objective. Industry standard dovetail mounting rings ensure secure, stable mounting and alignment.

Sample excitation is provided by via the fiber-coupled Ondax **CleanLine™** Laser source (part of the TR-Probe), and Raman signal is collected via the shielded fiber-coupled collection fiber, which can be plugged into any commercial spectrometer.

The probe can be easily removed from the adapter and utilized with any other TR-Probe accessories via the dovetail mount on the front of the probe (see reverse side).

Compatible with all TR-PROBE models: 532nm, 785nm, 808nm, 976nm and 1064nm.



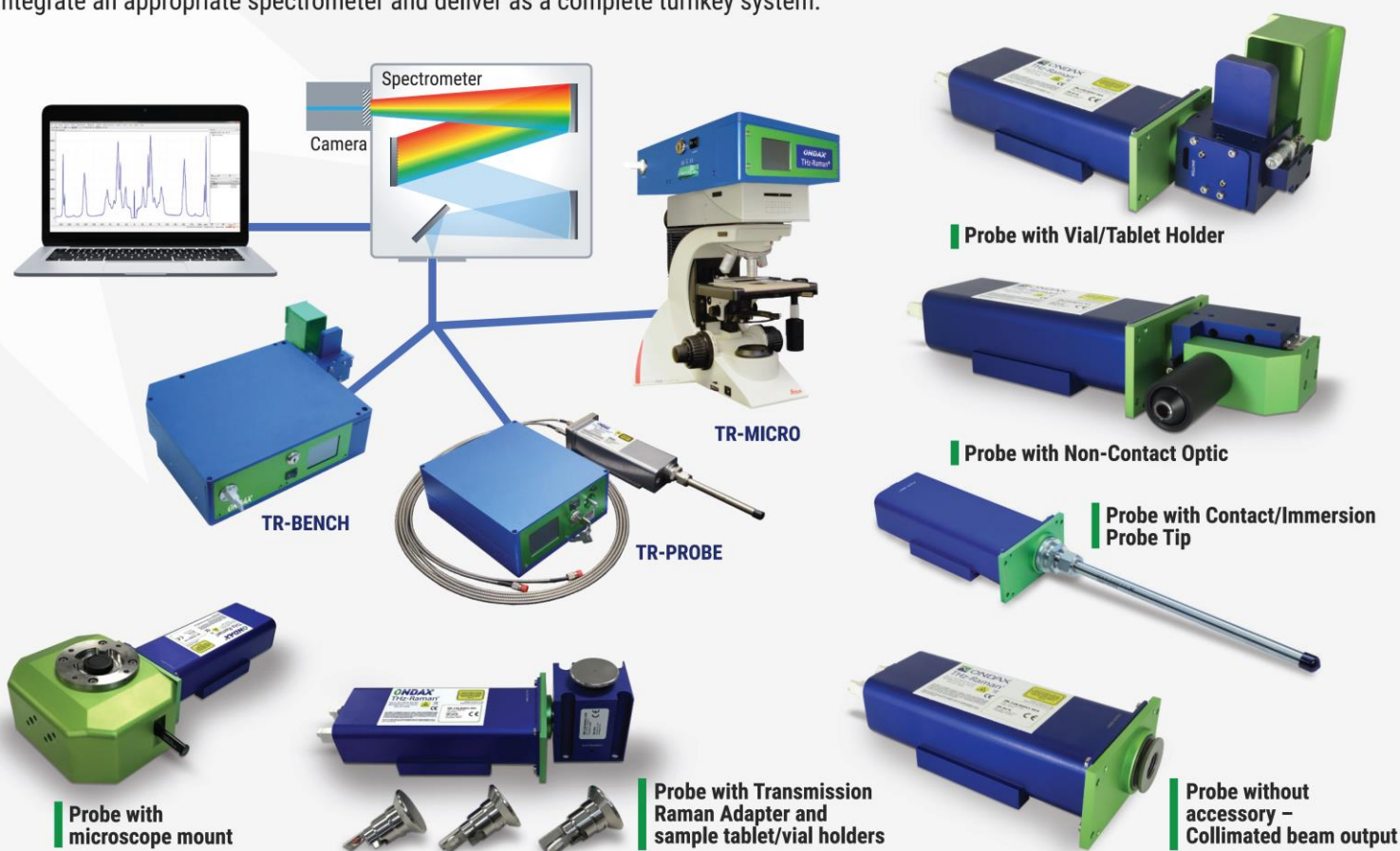
¹ U.S. Patents 7,986,407, 8,184,285, 9,986,407 and 9,587,983

THz-Raman PLUS fingerprint region measurement with the same system

All **TR-Series** THz-Raman[®] modules are ultra-compact and simple to connect via fiber to almost any spectrometer or Raman system. A high-power, wavelength-stabilized, single-frequency laser source is precisely matched to the ultra narrow-band ASE, beamsplitter and notch filters to assure maximum throughput and exceptional attenuation (>OD 9) of the excitation source. Systems are available in 532nm, 633nm, 785nm, 850nm, 976nm and 1064nm excitation wavelengths.

The new **TR-PROBE** is a compact, robust THz-Raman[®] probe that enables in-situ reaction or process monitoring. The TR-PROBE can be configured with a variety of sample interface accessories, including immersion or contact probe tips, a convenient vial/tablet holder, or a steerable non-contact optic (see options below). A separate CleanLine[™] laser provides ASE-free excitation via a multimode fiber, enabling the probe to operate in harsher environments where electrical connections are not permitted.

Ondax THz-Raman[®] modules are compatible with virtually any commercial Raman system or spectrometer, and Ondax can recommend or integrate an appropriate spectrometer and deliver as a complete turnkey system.



A variety of sample interface accessories enable the TR-PROBE and TR-BENCH to be easily configured to match a broad range of applications. Immersion or contact probe tips may be mounted with either a fixed SwageLok mount, or for longer probes that may need alignment, an adjustable tip/tilt probe mount. The Vial/Tablet Sample Holder incorporates an adjustable steering mirror, interchangeable focusing lens, and safety shutter, and the Steerable Non-contact Optic Mount allows for projection and steering of the output beam with precision alignment and interchangeable focusing optics, for applications requiring long-range collection paths. New accessories include a Transmission Raman adapter (Probe only) which is ideal for bulk sampling of tablets or vials, and a Microscope mount with in/out optical switching and beam steering adjustments.

ONDAX

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