

Educational Transmission Sampling Kit (ETS) – An Economical Assembly of Sampling Tools



FEATURES OF THE EDUCATIONAL TRANSMISSION SAMPLING KIT

- Basic sampling kit for transmission FTIR sampling
- Perform qualitative and quantitative analysis
- Economical analysis of solids, liquids and gases

The Educational Sampling Kit contains all necessary tools for the analysis of gas, liquid, and solid samples. It was designed as a low-cost alternative for busy teaching laboratories. The kit offers a 100 mm x 25 mm gas cell with straight, septa protected tubes, Bolt Press for making KBr pellets and a 35 mm mortar and pestle. Please refer to the table below for the detailed list of all components.

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
162-3000	Educational Transmission Sampling Kit (ETS) – Gases, Solids and Liquids <i>Includes: Sample preparation tools, mull liquids, cells, windows and cell holders required for preparation and analysis of gas, solid and liquid samples</i>

Included Parts and Materials

PART NUMBER	DESCRIPTION
160-8010	KBr Powder, 100 g
162-1100	Demountable Liquid Cell Assembly
161-0510	Fluorolube, 1 oz
160-1015	Window, KBr 32 x 3 mm, Drilled (6 ea.)
161-0500	Nujol, 1 oz
160-1010	Window, KBr 32 x 3 mm, Plain (6 ea.)
042-3035	Spatula – Spoon
162-1290	Teflon® Spacers – Assortment
042-3050	Spatula – Flat
161-0521	Syringe, 2 mL (2 ea. in kit)
161-5035	Mortar and Pestle, 35 mm
162-3610	Press-On Demountable Liquid Cell Holder for 32 mm Windows
161-2500	Bolt Press (for KBr Pellets)
162-2100	100 mm Gas Cell, 25 mm diameter
161-2511	Wrench Set for Bolt Press (2 ea.)
160-1133	Window, KBr, 25 x 4 mm (2 ea. in kit)
161-6000	Finger Cots (12 ea.)
162-5300	Magnetic Film Holder – for 13 mm pellets and film samples
162-5400	Film Sampling Card – 20 mm clear aperture, 10 each*

Note: Cell holders marked "" fit all standard slide mounts, but due to their height may not allow for a complete sample compartment door closure on some smaller spectrometers. Please consult PIKE Technologies before placing an order.