

Comprehensive Transmission Sampling Kit (CTS) – Complete Gas, Liquid and Solid Sampling



FEATURES OF THE COMPREHENSIVE TRANSMISSION SAMPLING KIT

- Complete sampling kit for analysis of solids, liquids and gas samples by transmission
- Make KBr pellets and mulls for solid samples
- Run qualitative and quantitative analysis of liquid samples
- Identify and quantify gas samples

The CTS Kit includes a 100 mm long, 38 mm diameter gas cell, in addition to all the sample preparation and mounting tools described in the STS Kit on the previous page. The cell body is made of Pyrex® glass and features straight-tube inlet and outlet ports with stopcocks. The gas cell comes with all necessary gaskets, two KBr windows and slide-mounted cell holder, and is designed for gas measurements at ambient temperature and normal atmospheric pressure.

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
162-2000	Comprehensive Transmission Sampling Kit (CTS) – 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
161-0510	Fluorolube, 1 oz
161-0500	Nujol, 1 oz
042-3035	Spatula – Spoon
042-3050	Spatula – Flat
161-5050	Mortar and Pestle, 50 mm
161-1027	PIKE Hand Press (for KBr Pellets)
161-1010	7 mm Die Set
161-1018	KBr Pellet Holder
161-6000	Finger Cots (12 ea.)
162-5300	Magnetic Film Holder – for 13 mm pellets and film samples
162-1100	Demountable Liquid Cell Assembly
160-1015	Window, KBr 32 x 3 mm, Drilled (6 ea.)
160-1010	Window, KBr 32 x 3 mm, Plain (6 ea.)
162-1290	Teflon® Spacers – Assortment
161-0521	Syringe, 2 mL (2 ea. in kit)
162-3610	Press-On Demountable Liquid Cell Holder for 32 mm Windows
162-5600	Universal Sample Holder*
162-2200	100 mm Gas Cell, 38 mm diameter
160-1320	Window, KBr 38 x 6 mm (2 ea. in kit)
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.