

FTIR Spectrometer IROS P01/02



Multipurpose laboratory IR Fourier-spectrometers IROS P01 and IROS P02 are designed for routine measurements and scientific researches in the mid-infrared range.

The spectrometers are used for quantitative analysis and product quality inspection for various industries, for environmental monitoring, forensic and other types of inspections.

The heart of the spectrometers IROS P01 / P02 is a Michelson interferometer with homing action, which does not require dynamic alignment.

This type of spectrometers has an increased signal-to-noise ratio and an extended cell holder against previous models.

Specification

Model	IROS P01	IROS P02
Spectral range, cm^{-1}	370-7800	
Spectral resolution, cm^{-1}	1,0	0,5
Signal-to-noise ratio (measuring time 1 min, spectral range 2100-2200 cm^{-1} , spectral resolution 4 cm^{-1})	> 60 000	
Complete spectrum obtaining minimum time, s	<1	
Beam splitter	KBr with Ge-based coating	
Light source	High-temperature cermet	
Detector	Pyroelectric detector DLATGS	
Cell holder dimensions, mm	150x190x170	
Overall dimensions, mm	520x370x250	
Total weight, kg	28	

+ 7 (800) 700-65-55
 info@ostec-instruments.com



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