

IBIS-FS	
TECHNICAL SPECIFICATIONS	
Displacement Accuracy	0.01 mm ÷ 0.1 mm (depending on range)
Operating range	Up to 1000 m
Range resolution ⁽¹⁾	0.5 m
Acquisition Frequency	200Hz
Power Supply	110/220Vac or 12Vdc (Battery)
Battery autonomy	4 hours
Power Consumption	50W
Weight	32 kg (full configuration with tripod)
Operating Temperature	-20°C to +55°C
Environment	IP66
Certifications	FCC, CE, IC
Processing Unit	Panasonic CF-19 with IBIS-FS operating software
SOFTWARE SPECIFICATIONS	
IBIS Surveyor: Acquisition and System Management Software	Acquisition configuration and management Status information Real Time data processing Automatic data transfer
IBIS Data Viewer: Data Processing and Interpretation	Data processing Data Analysis and interpretation Data Export to third party software
RADIO-EQUIPMENT SPECIFICATIONS	
Radio-frequency band ⁽¹⁾	17.05-17.35 GHz
EIRP Power	26 dBm
Emission bandwidth ⁽¹⁾	300 MHz
Modulation	Linear Frequency Modulated Continuous Wave (LFMCW)

(1) Range resolution depends on the frequency bandwidth authorized by local radio regulation. As an example in USA and Europe the bandwidth is limited to 200 MHz and the range resolution is 0.75 m.