

## Wavelength Meter (671 / 871) and Spectrum Analyzer (771 / 772)

Model / Laser Type	Wavelength Designation	Wavelength Range	W. Accuracy for model (A) or (B)	Repeatability depending on model (A) or (B)	Measurement Rate	Optical Input	Calibration
wavemeter <b>671</b> cw, quasi cw (rep rate >10 MHz)	<b>VIS</b>	375 - 1100 nm	671A: ±0.2 ppm*	A: ±0.03 ppm* (A-IR: ±0.06 ppm*)  B: ±0.1 ppm*	A: 4 Hz B: 10 Hz	FC/UPC or FC/APC	Continuous with built-in HeNe laser
	<b>NIR</b>	520 - 1700 nm					
	<b>NIR2</b>	1000 - 2600 nm	671B: ±0.75 ppm*				
	<b>IR</b>	1 - 5 µm					
	<b>671B-MIR</b>	1.5 - 12 µm	1 ppm*		2.5 Hz B: 2.5 Hz	free space (collimated beam 2-3 mm)	
wavemeter <b>871</b> cw and pulsed	<b>VIS</b>	375 - 1100 nm	871A: ±0.2 ppm*	A: ±0.0075 ppm*  B: ±0.0125 ppm*	1 kHz	FC/UPC	automatic with built-in wavelength standard
	<b>NIR</b>	630 - 1700 nm	871B: ±0.75 ppm*				
	<b>871B-NIR2</b>	1000 - 2500 nm					
<b>spectrum analyser</b>				<b>Max. Resolution</b>			
<b>771</b> cw, pulsed (rep rate > 10 MHz)	<b>VIS</b>	375 - 1100 nm	A: ±0.2 ppm*	2 GHz	> 0.5 Hz	FC/UPC or FC/APC	Continuous with built-in HeNe laser
	<b>NIR</b>	520 - 1700 nm					
	<b>IR</b>	1 - 5 µm	B: ±0.75 ppm*	4 GHz			
	<b>MIR</b>	1- 12 µm	1 ppm* @ λ > 5 µm	4 GHz			
<b>772</b> cw, pulsed (>50 Hz)	<b>MIR</b>	1- 12 µm	±10 ppm*	4 GHz	2 * (30.000 / reprate) sec		Continuous with built-in HeNe laser

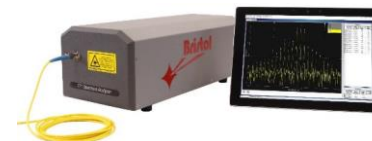
wavelength accuracy: \*ppm - "parts per million"; dh. Eine Genauigkeit von z.B. 0,2 ppm @ 500 nm entspricht einer Genauigkeit von 0,0001 nm = 0,1 pm; oder z.B. 120 MHz @ 600 THz

Für die genauen Messbedingungen unter denen die angegebenen Werte erreicht werden, stehen ausführliche Datenblätter zur Verfügung, auf die wir hiermit verweisen.

**BRISTOL**  
INSTRUMENTS



BRI-871 Series housing



BRI-671 Series and BRI-771 Series

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