

## Surface Plasmon Resonance – The RES-TEC quick datasheet

This little sheet provides typical values for optical constants of materials commonly used for SPR measurements. There is a lot of room for data for your materials. Print the sheet, post it near the instrument and fill in values for everyone in the lab to remember.

Glass Prisms	n	$\epsilon'$	$\epsilon''$
BK 7	1.5151	2.2955	
LaSFN 9	1.8449	3.4036	

Metals			
Silver		-16.00	0.6000
Gold		-12.30	1.2900
Chromium		-6.3000	9.7 – 30

Dielectrics			
SiO <sub>2</sub>	1.46	2.1300	
„Organics“	1.45	2.1025	

Media			
Air	1.00	1.0000	0.0000
Water	1.3334	1.7780	0.0000