

Q-Sense Sensors

In addition to In stock-sensors, Q-Sense makes on request orders and custom-made sensors in our world class in-house sputtering facility. In principle, sensors can be coated with almost any material that can be applied as a thin film. Please contact us about inquiries concerning sensor coatings with your specific surface material.

Q-Sense also has a wide variety of high quality sensors in stock.

● SENSOR SPECIFICATIONS

Frequency	4.95 MHz +/- 50 kHz
Cut	AT
Diameter	14 mm
Thickness	0.3 mm
Finish	Optically polished, surface roughness of electrode less than 3 nm (RMS)
Electrode layer	40 nm - 1 µm

Q-SENSE SENSORS

Basic elements	Silver, Gold, Cobalt, Chromium, Copper, Iron, Iridium, Platina, Tantalum, Titanium, Tungsten
Oxides	Silicon dioxide, Aluminium oxide, Iron oxides, Zirconium oxide, Cerium oxide, Zinc oxide
Nitrides	Tantalum nitride, Silicon nitride
Carbides	Iron carbide, Silicon oxycarbide
Sulfides	
Polymers	Polystyrene, Amorphous Fluoropolymer 1600 (Teflon® like)
Glasses	Borosilicate, Soda-lime
Steels	SS2343
Other	Hydroxyapatite, Biotin, Au with Ti-adhesion, His-tag Capturing, Cellulose

EXAMPLES OF CUSTOM-MADE SURFACES

Aluminum, Magnesium, Molybdenum, Nickel, Palladium, Silica, Zirconium
Silver oxide, Magnesium oxide, Titanium dioxide, Zirconium oxide
Titanium nitride
Silicon carbide
Copper sulfide, Iron sulfide, Nickel sulfide, Zinc sulfide
Nylon, Polyethyleneterephthalate, Polyethylene, Polyurethane, Polymethylmetacrylate, Polyvinylidenedifluoride, Polyiminoethylene
Lead
L605 Steel, SS2348
Aluminum silicate, Barium titanate, Calcium carbonate, Calcium phosphate, Aluminum silicate, Indium-tin oxide, rough Gold, rough Silicon dioxide, Cobalt-chromium-tungsten-nickel-manganese alloy, Nickel-chromium alloy



Sensors alphabetically

Coating	Number
Aluminium oxide	Qsx309
Amorphous fluoropolymer AF1600 from DuPont 40 nm	Qsx331
Biotin functionalized	Qsx339
Borosilicate-glass	Qsx336
Cellulose on SiO ₂	Qsx334
Cerium oxide	Qsx325
Chromium	Qsx315
Cobalt	Qsx323
Copper	Qsx313
Gold	Qsx301
Gold with Ti-adhesion	Qsx338
His-tag Capturing	Qsx340
Hydroxyapatite	Qsx327
Iridium	Qsx316
Iron	Qsx319
Iron carbide	Qsx321
Iron oxide	Qsx326
Oxide	Qsx332
Platinum	Qsx314
Polystyrene	Qsx305
Silicon dioxide	Qsx303
Silicon dioxide 300 nm	Qsx318
Silicon dioxide with 100nm Ti for QELM402	Qsx335
Silicon nitride	Qsx328
Silicon oxycarbide	Qsx329
Silver	Qsx322
Sodalime-glass	Qsx337
Stainless steel (SS2343)	Qsx304
Tantalum	Qsx311
Tantalum nitride	Qsx324
Titanium	Qsx310
Tungsten	Qsx312
Zirconium oxide	Qsx330