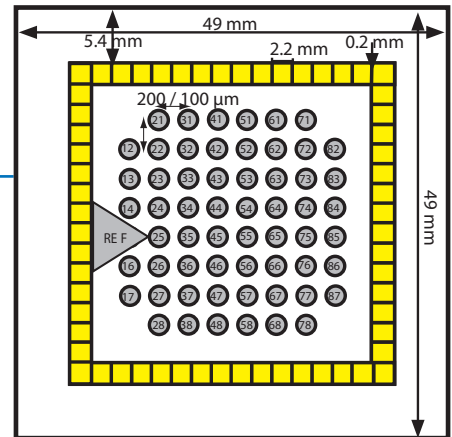


60StandardMEA

60MEA100/10iR-ITO, 60MEA100/10iR-Ti
60MEA200/10iR-ITO, 60MEA200/10iR-Ti
60MEA200/30iR-ITO, 60MEA200/30iR-Ti

Technical Specification



General Characteristics	
Temperature compatibility	0 - 125 °C
Dimensions (W x D x H)	49 mm x 49 mm x 1 mm
60Standard Layout	
Base material	Glass
Electrode material	TiN (Titanium nitride)
Electrode height	planar
Track material	ITO (Indium tin oxide) or Ti (Titanium)
Contact pads	ITO (Indium tin oxide) or TiN (Titanium nitride)
Electrode diameter	10 μm or 30 μm
Interelectrode distance (center to center)	100 μm to 200 μm
Isolation material	Silicon nitride 500 nm (PEVCD)
Electrode impedance	< 100 kΩ for 30 μm electrodes, 250 - 400 kΩ for 10 μm electrodes
Electrode layout grid	8 x 8
Number of recording electrodes	59
Number of reference electrodes	1
Software: MC_Rack	MC_Rack: 2 dim. (MEA) or Configuration
Software: Multi Channel Suite	Multi Channel Experimenter: linear
MEA Perfusion Chamber	
(w/o) Without ring (gr) Glass ring (pr) Plastic ring without thread (pr-T) Plastic ring with thread	ID +/- 19 mm, OD +/- 24 mm, height 6 / 12 mm ID +/- 26.5 mm, OD +/- 30 mm, height 6 / 12 mm ID +/- 26 mm, OD +/- 30 mm, height 6 / 12 mm
Sterilization	It is possible to autoclave or sterilize StandardMEAs by heat. These MEA types are heatstable up to 125 °C!

