

- General Specification -

## Water Electrolyzer Test Station (WETS) - PEMEC



SE[Range] - PE		300	500	1K	3K	5K	10K	30K	50K
Test Range		~300W	~500W	~1kW	~3W	~5kW	~10kW	~30Kw	50Kw
Gas Flow Measure (slpm)	Hydrogen Flow	1	2	5	15	25	50	150	250
	Oxygen Flow	0.5	1	2.5	7.5	12	25	75	125

SE[Range] - PE		100K							
Test Range		100kW							
Gas Flow Measure (slpm)	Hydrogen Flow	500							
	Oxygen Flow	250							

Common Specifications		
MFC Range	Turndown 100:1	
N2 Purge	Auto N2 Purge (Anode, Cathode)	
Electrolyte Circulation	Liquid Temperature Control: RT~95°C,	
	Liquid Level Control & Alarm	
	Liquid & Gas Separation	
	Liquid Flow Control (Pump & Flow Meter)	
Gas Colling	Gas cooling and Trap (Condensation liquid & gas separation)	
Dryer, Gas filter	Dryer (Moisture Absorb Filter) & Dewpoint Monitoring, or other type Gas Filter	
Concentration Detection	H2 in O2	0-5%, 10% Vol
	O2 in O2	0-5%, 10% Vol
Back Pressure Control	Auto Back Pressure Control, 10bar, 30bar ±2kpa control stability	
Cell Voltage Monitoring	Nominated Channel, ±5V/Ch	
AC-Impedance (Optional)	Single Cell AC-Impedance, HFR, Multi-Channel HFR measurement, 10mHz~10KHz	