








Technical Specifications

DEA 288 Ionic

Frequency range	1 MHz to 1 MHz, freely selectable values
Data acquisition	Multiple DEA modules; true simultaneous operation of all channels
Minimum data acquisition time	< 5 ms
Sensor connection	Shielded 4-wire technique (compensation of resistivity and capacity of the wire as a prerequisite for precise measurements)
DEA modules	<ul style="list-style-type: none"> ■ Portable version: All-purpose version, up to 7 channels ■ Industrial Rack version: up to 8 channels (extension possible for up to 16 channels)
I/O ports	Input and output of measuring signals or signals from peripheral devices such as pressure or temperature sensors. DEA allows for triggering by manufacturing machines.

Sensor Type	Sensing Area	Max. Temperature	Electrode Spacing	Main Application	
Micron Sensor (MS)	2.5 mm ² , 26 mm ² , 70 mm ²	200°C or 350°C*	1, 5 or 25 µm	Paints, inks, adhesives	
Mini-IDEX (Interdigitated Electrode)	33 mm ²	275°C	100 µm	All resins (small cavities)	
IDEX (Interdigitated Electrode)	233 mm ²	200°C or 275°C*	115 µm	All resins (epoxy, polyester PES, polyurethane PUR, etc.)	
IDEX, filtered	233 mm ²	200°C or 275°C*	115 µm	Carbon fiber-reinforced polymers (CFRP)	
Tool Mountable Monotrode (TMM)	13 mm ² , 79 mm ² , 707mm ²	220°C	–	Especially for SMC/ BMC, PUR foams	
Tool Mount Sensor (TMS)	214 mm ²	220°C	500 µm	All resins (EP, PES, PUR, etc.)	
Coated Tool Mountable Comb Electrode (TMCC)	254 mm ²	220°C	500 µm	All resins, composites and other polymers with electrically conductive fillers	

* depending on the wiring of the sensor head