



# Innovative Sensor Technology

physical. chemical. biological.



## MAXIMIZE YOUR YIELD

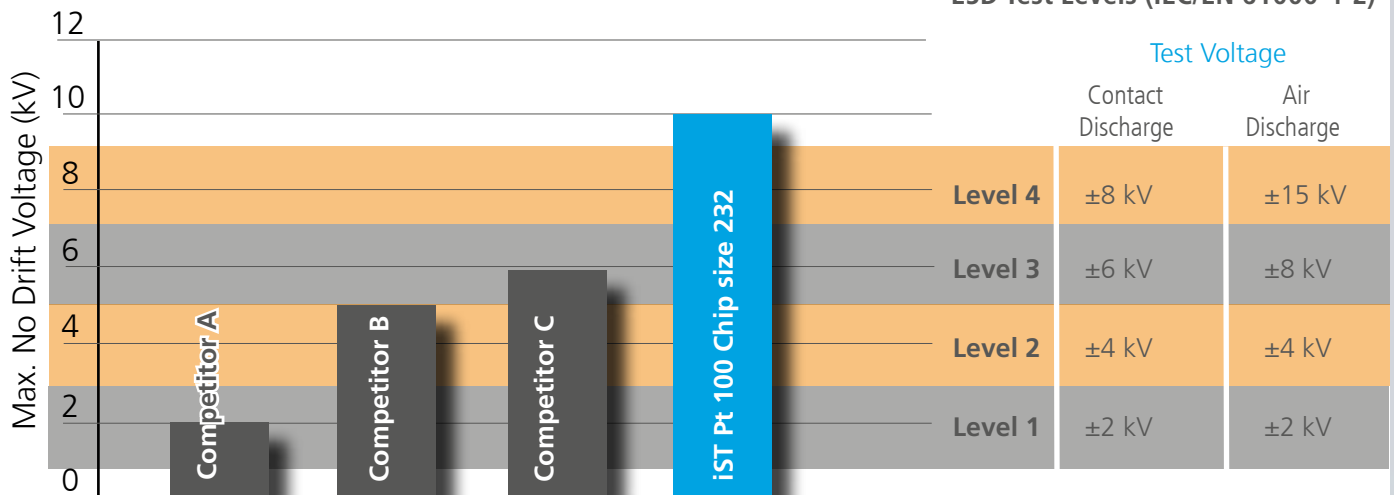
### Best in class for maximum no-drift voltage (kV)

Electrostatic discharge (ESD) can cause loss of production yield while submitting your manufactured products or parts to hipot testing. Our latest generation of Platinum temperature sensors achieves best testing results.

The below comparison of iST sensors with same sized products of other manufacturers has shown that, depending on chip size and resistance, the maximum no-drift voltage of the iST sensors is unsurpassed.

### Pt 100 Ω

#### ESD Test Levels (IEC/EN 61000-4-2)



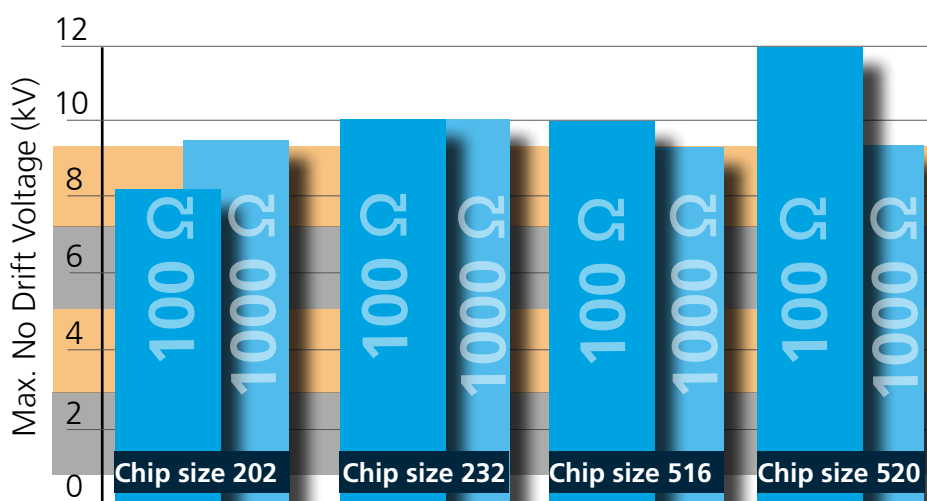
# NEW GENERATION

## High long term stability

Our latest generation of ESD-optimized platinum temperature sensors strengthens the stability of our customers' assembled systems. The new sensors meet the requirements of high-in-demand e-mobility applications.

iST's new **Pt100 Ω** and **Pt1000 Ω** temperature sensors ensure better resistance to ESD and are suitable for the use in electric motors, charging cables, current transformers and batteries.

### iST Pt temperature sensors test results



### ESD Test Levels (IEC/EN 61000-4-2)

	Test Voltage	
	Contact Discharge	Air Discharge
Level 4	±8 kV	±15 kV
Level 3	±6 kV	±8 kV
Level 2	±4 kV	±4 kV
Level 1	±2 kV	±2 kV

any product specific standard can be specified at any level

Contact us today and let us advise you on the next generation of temperature sensors. Standard or customized: Our team of experts will be happy to assist you with the perfect sensor-choice for your application

