

Result of PID cell test benchmark



PIDcon by Freiberg Instruments

PID cell test conditions:

Temperature: 85 °C

Voltage: 1000 V (neg. on cell, pos. on glass)

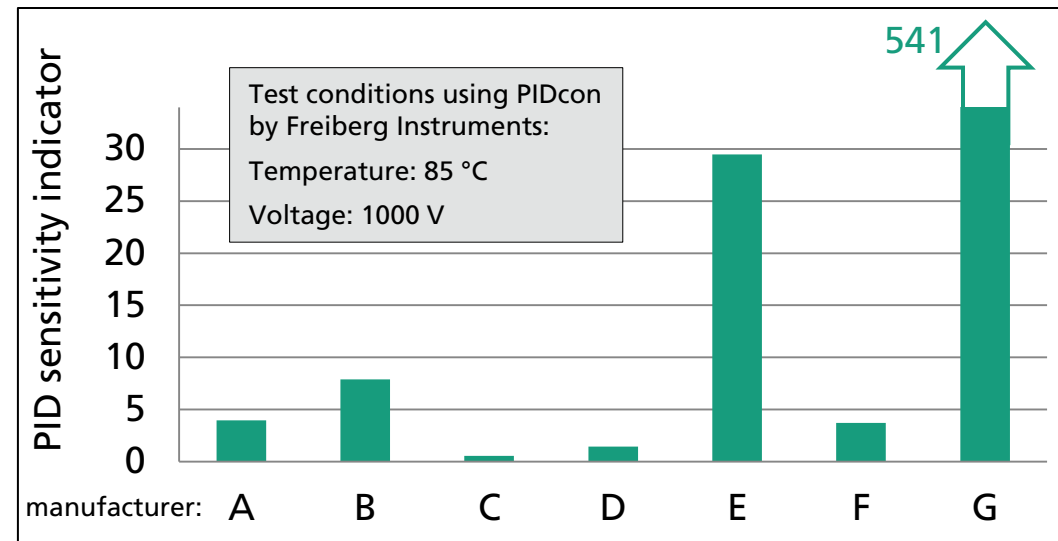
Stressed area: 10x10 cm²

Polymer encapsulating foil:

*PID sensitive EVA with low resistivity:
Avaluxe EVA-FL TL MG ARC2*

Glass: low-iron float glass, 3.2 mm

- Result: shunt conductance (= reciprocal of shunt resistance) as a function of transferred charge (= accumulated stress) → **genuine PID-s sensitivity of cells**
- Evaluation of the maximum slope of PID shunt conductance over accumulated charge curves → **PID sensitivity indicator** in units of (mS/cm²)/(μAh/cm²)
- Production batches of different manufacturers equally tested:



*PID sensitivity indicator, mean of 5 cells of each cell batch,
published on www.pidcon.com*