



INNOVATIVE SENSOR TECHNOLOGY



New invention for sensors in thin film technology

High precision and wide temperature range

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Technical description of PG Technology

Temperature range class A: -200°C up to +600°C ...7W...

Short term (< 1 hour) up to +750°C ...7W...

Temperature range class A: -200°C up to +400°C ...4K...

Working range: -200°C up to +400°C ...4K...

Dimension: 2.5mm x 1.6mm

Temperature coefficient: : 3911ppm/K

Norm: GOST 6651-94

Identification number: PG0K1.216.4K.X.010 X=B or A

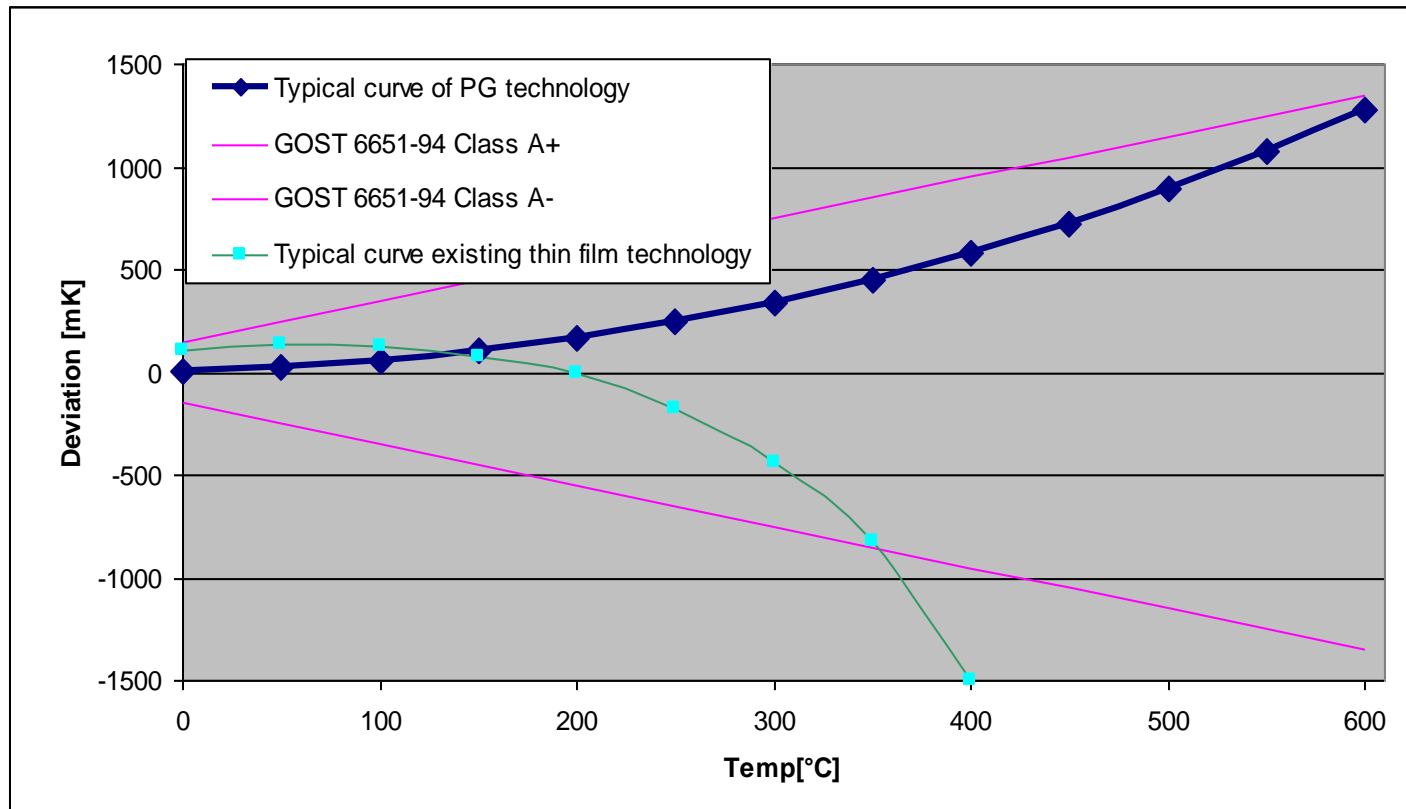
Identification number: PG0K1.216.7W.X.010 X=B or A





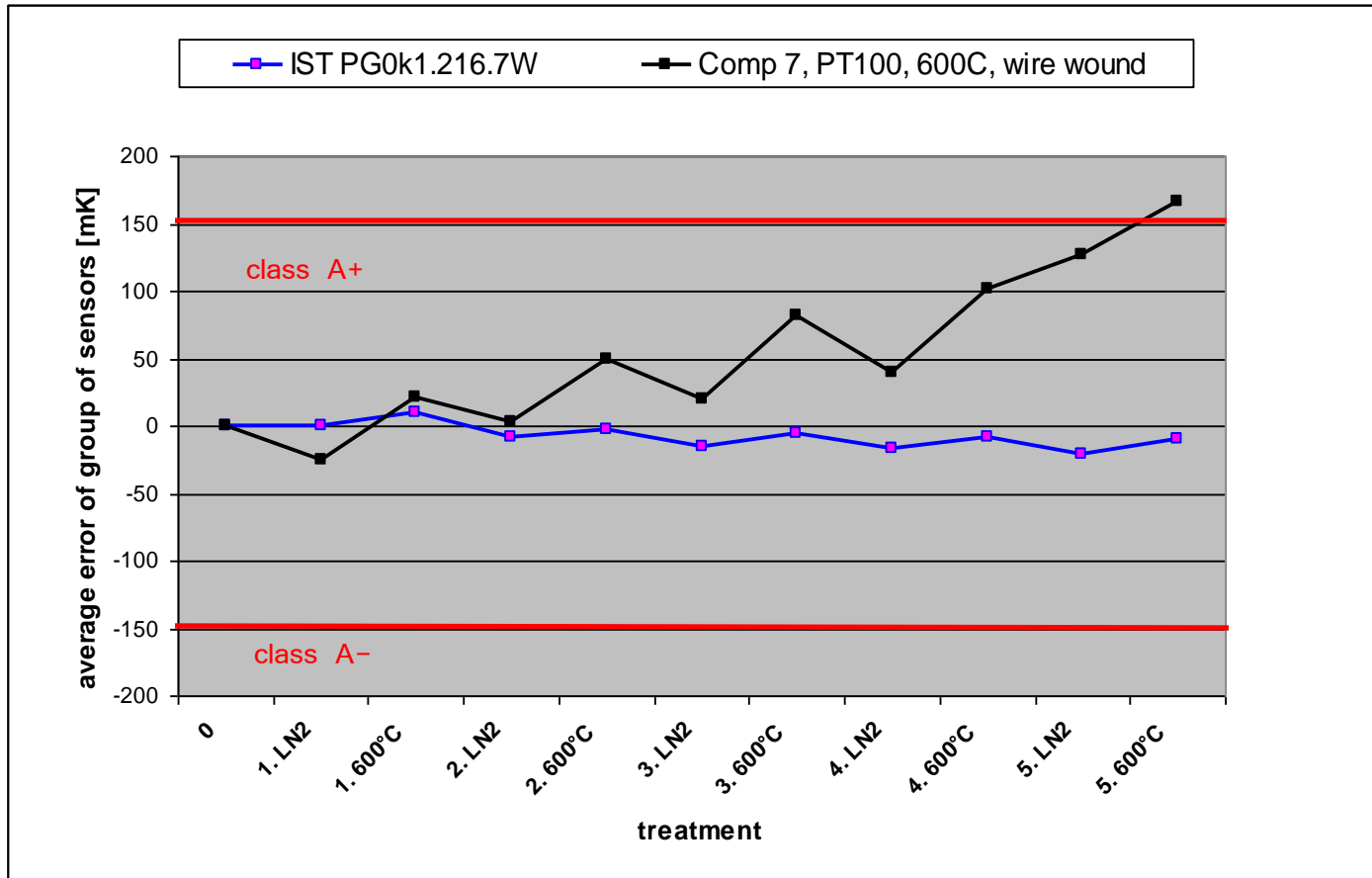
High accuracy within class A, ...as wire wound

Average of 12 sensors PGOK1.216.7W.010





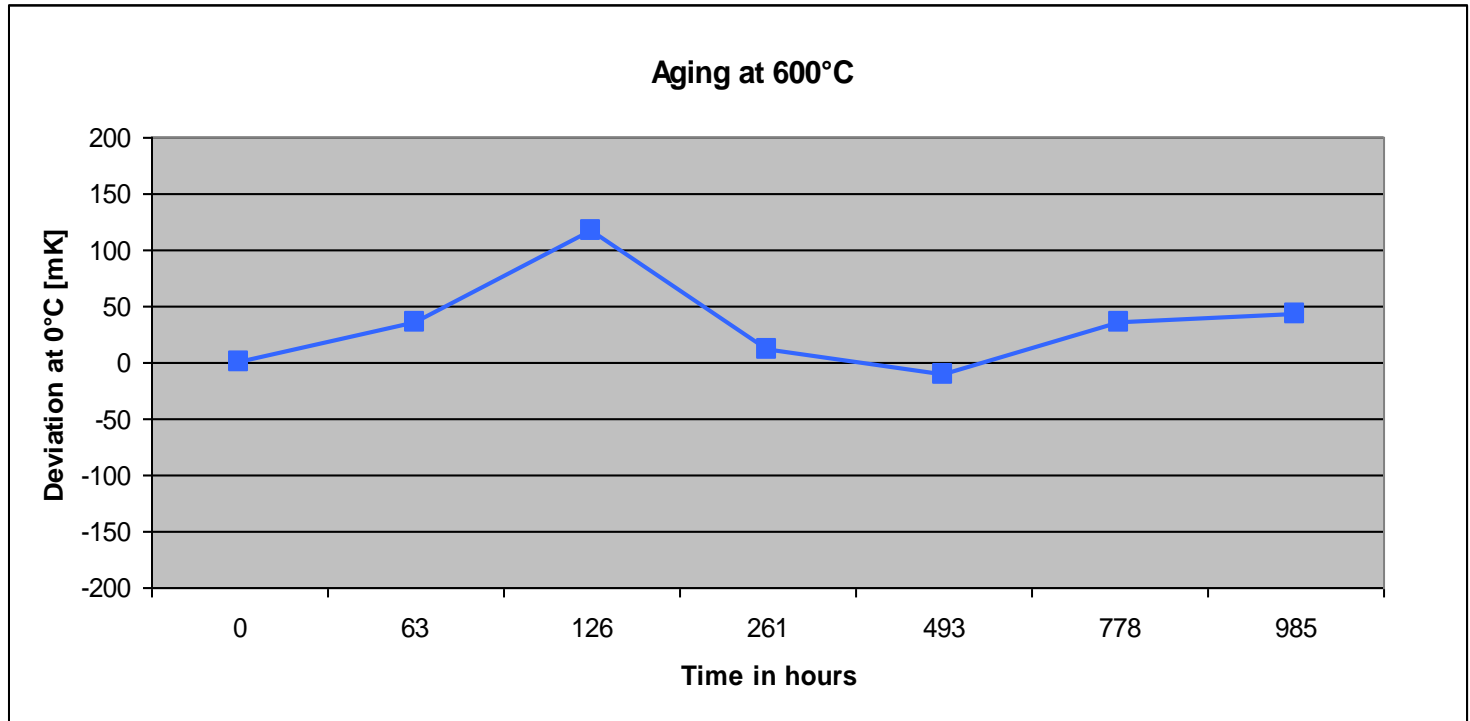
Hysteresis liquid Nitrogen (-196°C) and Oven (600°C)





Deviation at aging 600°C

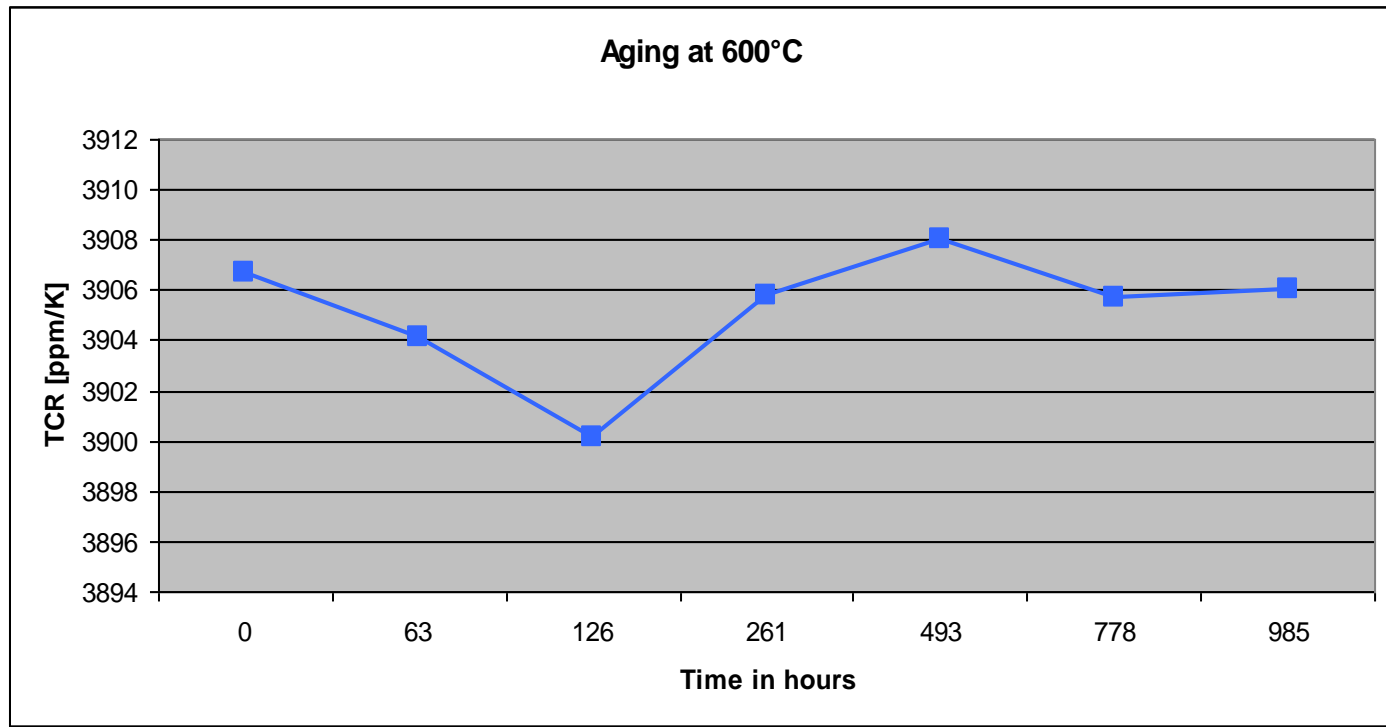
Average of 20 sensors PG0K1.216.7W.010





Deviation at aging 600°C

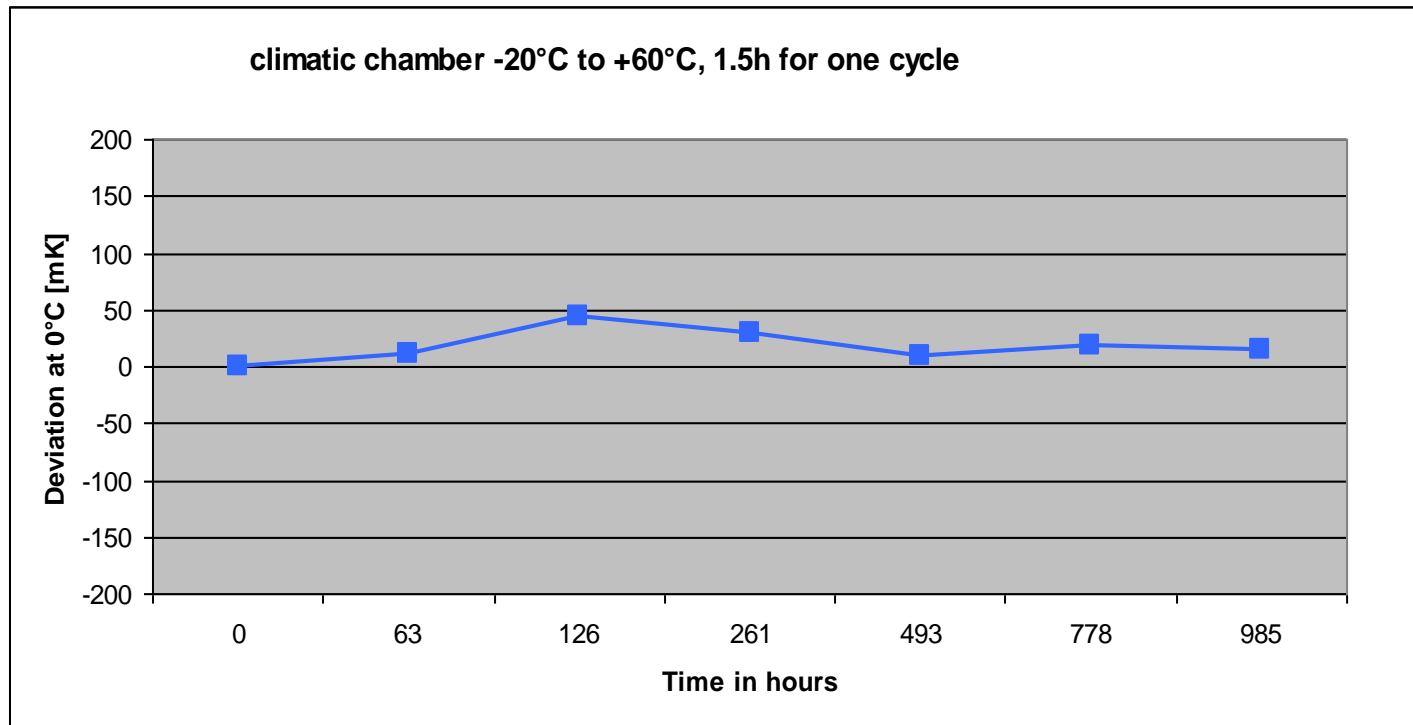
Average of 20 sensors PGOK1.216.7W.010





Climatic chamber

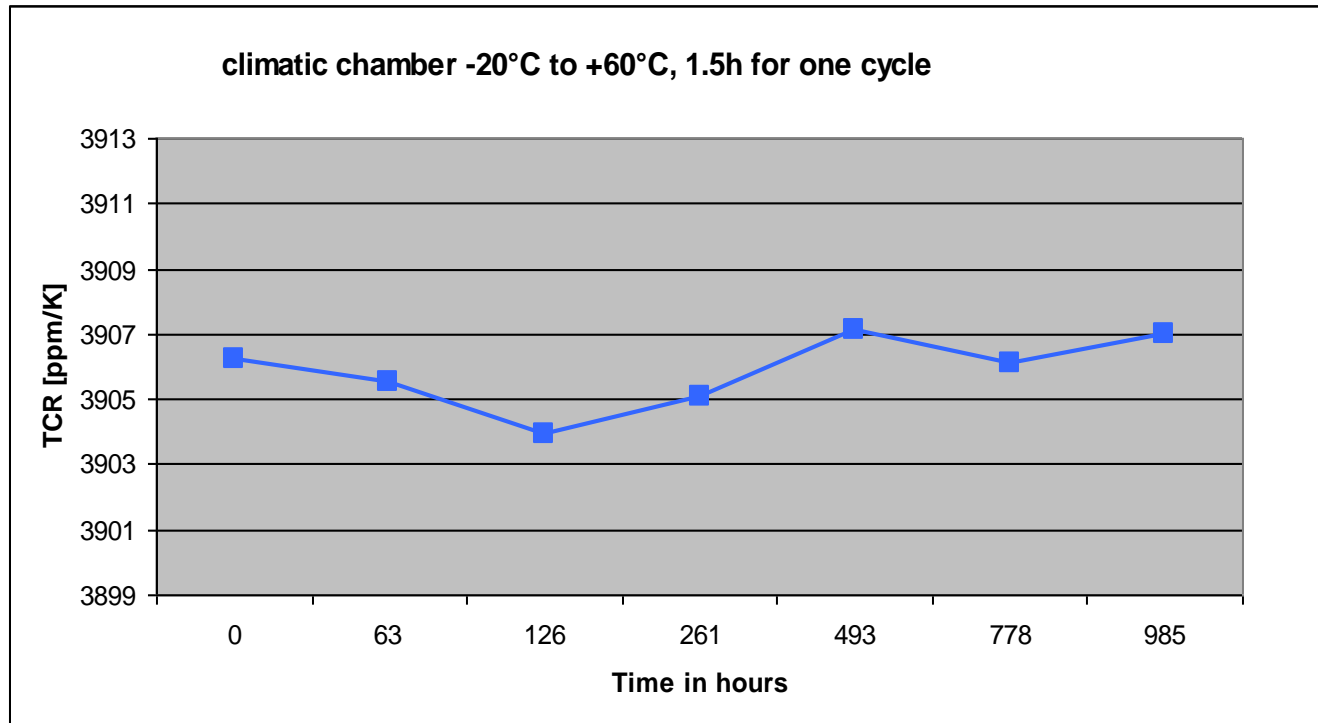
Average of 20 sensors PGOK1.216.7W.010





Climatic chamber

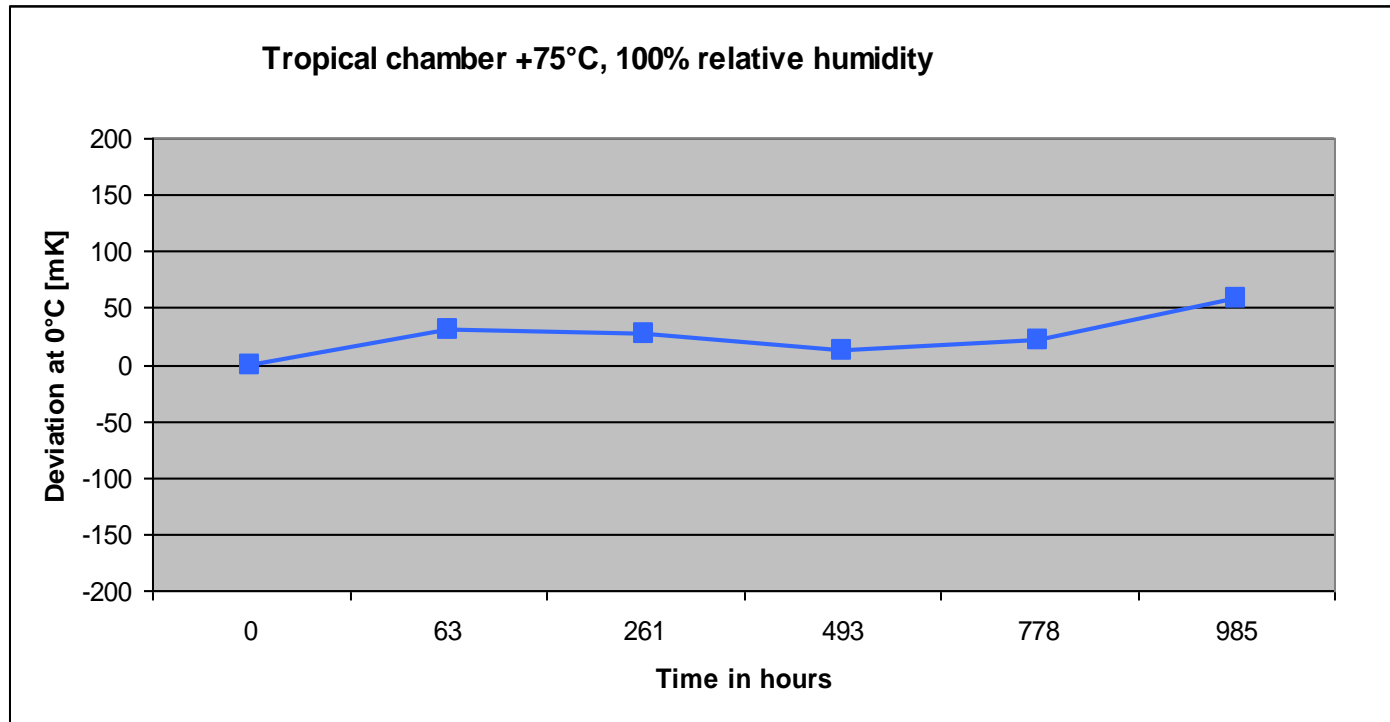
Average of 20 sensors PGOK1.216.7W.010





Tropical chamber

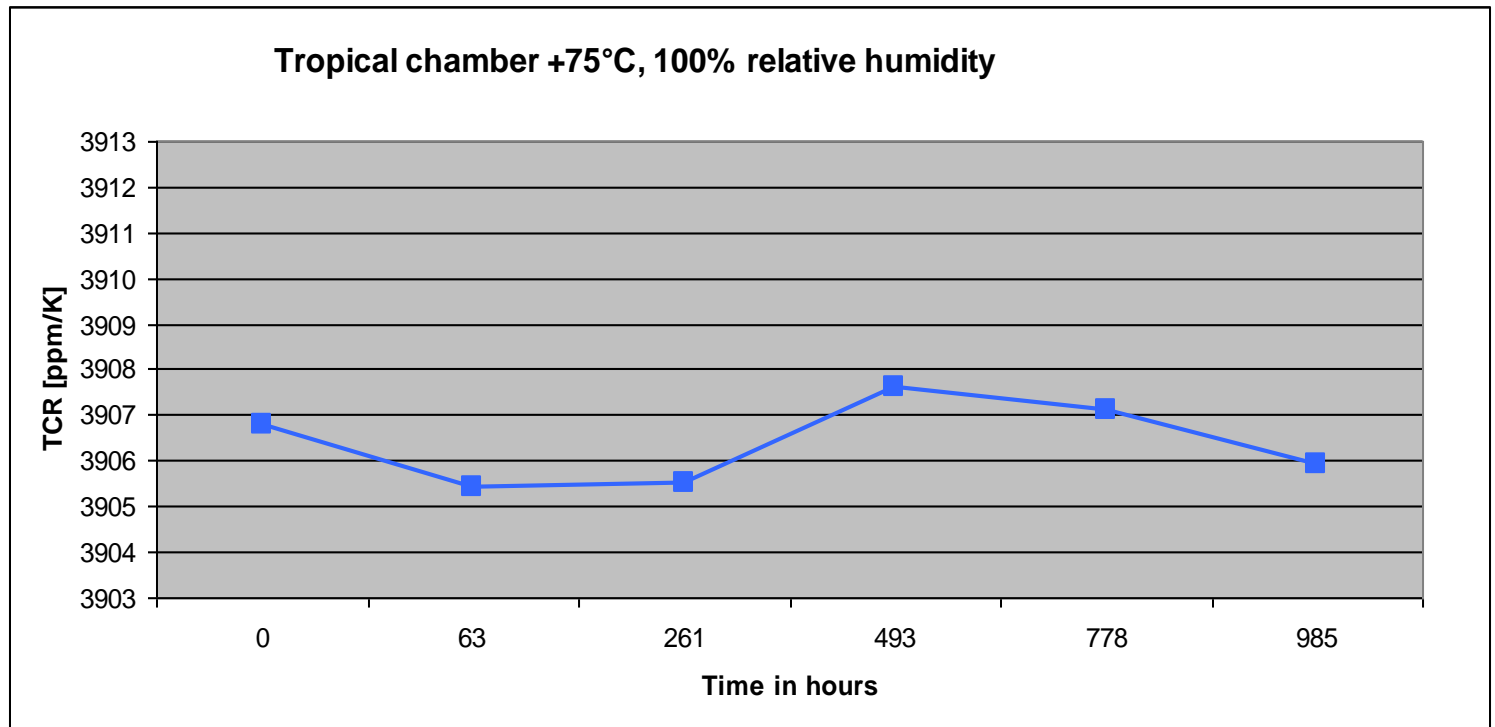
Average of 20 sensors PGOK1.216.7W.010





Tropical chamber

Average of 20 sensors PGOK1.216.7W.010





Comparison with IST AG standard sensors

New PG sensor

Temperature range class A: -200°C up to +600°C ...7W...

Standard sensor

Temperature range class A: -90°C up to +300°C ...7W...

Comparison with wire wound sensors

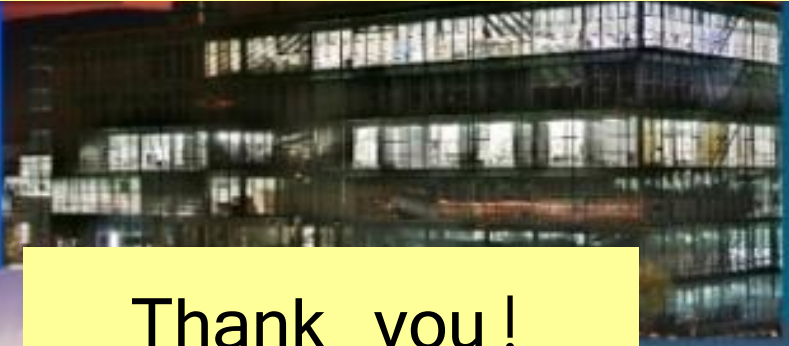
- Same temperature range (-200°C up to +600°C in class A)
- better behavior in vibration
- incredible attractive price – test us!



INNOVATIVE SENSOR TECHNOLOGY



Your needs are our challenge



Thank you!

