



## Radiophysical Measurement systems - K

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### *Temperature compensation system for quartz oscillators "UTK-3"*

#### *TCXO trimming equipment*

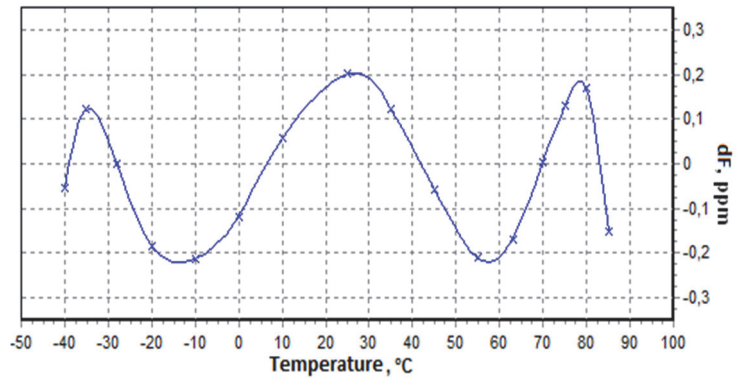
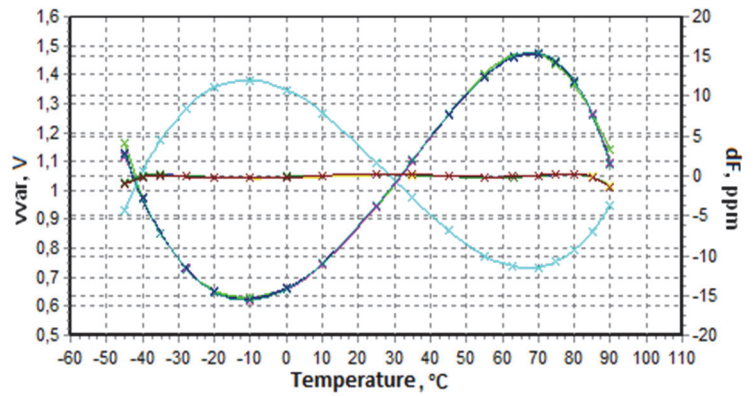
##### **Features:**

- Supports **MAS6287,**  
**MAS6279D,** **K1316GN1** oscillator IC;
- Compatible with **AK2152,**  
**WF28753** oscillator IC;
- One-cycle operation;
- Analog TCXO characteristics measurement;
- Maximum thermal chamber capacity: **560 DUTs** (Devices Under Test);
- **Simultaneous** frequency measurement of all items (measurement error is less than  $2 \times 10^{-8}$  per second for all 560 DUTs);
- Detection of faulty DUTs, full protection against faulty DUTs;
- Removable 18x30mm adapters for different IC packages;
- Multiple parameter sets of temperature compensation can be used at the same time;
- Fully automated operation with QC grade sorting according to programmable conditions;
- Simultaneous thermal compensation in different temperature ranges;
- practical user interface for TCXO data analysis.

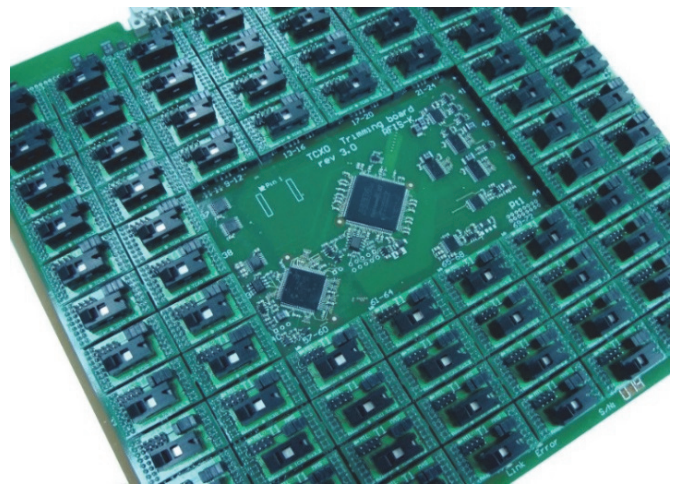


## Specifications:

- Temperature compensation range: **-60 ... +90 °C**;  
Optional: **-70 ... +130 °C**;
- Temperature set error (through whole chamber volume): **±1 °C**;
- Temperature instability (thermocouple): **±0.1 °C**;
- Frequency measurement range: **130 MHz**;
- Frequency measurement error (for 1 second measurement):  
less than  **$2 \times 10^{-8}$** ;



- Supported output signals: CMOS, Sine (1 V peak-to-peak);
- DUT Supply voltage range: 1.8... 5.0 V;
- DUT Control voltage range: 0... 5.0 V;
- Supply/Control voltage set error: less than  $\pm 5$  mV;
- Supply/Control voltage instability: less than  $\pm 1$  mV;
- Maximum DUT supply current: 15 mA.
- Equivalent load for each DUT: 10kOhm  $\pm 10\%$ , 10pF  $\pm 10\%$ ;



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