

About SCTB ELPA Ltd.

SCTB ELPA Ltd. (special engineering and design bureau of electronics, instrument-making and automation) is an assign of Uglich branch of NIICHasprom, established in 1959 on the Uglich watch plant Chaika territory for applied science and production consolidation.

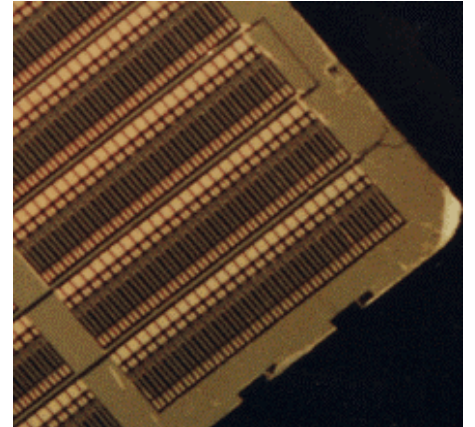
In the last 28 years SCTB ELPA specialized in the manufacture and R&D of quartz resonant devices such as

- **Crystal resonators,**
- **Temperature sensor crystal resonators,**
- **Pressure sensor crystal resonators,**
- **Force sensor crystal resonators,**
- **Acceleration sensor crystals,**
- **Pressure & temperature transducers** (with frequency output),
- **Crystal blanks** (grinding or/and polishing).

With our complex photolithographic technology and our prototype production line, we are able to develop and manufacture many customized variants of miniature quartz crystals.



SCTB ELPA Ltd. building

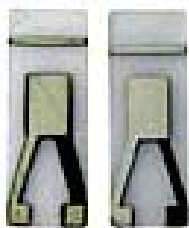


Quartz crystals on the wafer

Using quartz crystal resonators designed for large frequency variation with pressure-induced stress and with temperature, SCTB ELPA designs and manufactures a line of precision pressure and temperature transducers. These instruments have a resolution down to 0.003% and accuracy of 0.03% (for pressure transducers) and 0.02% (for temperature transducers), which are achieved even under difficult environmental conditions. The frequency output allows to easily use the transducer in connection with a microprocessor. Other characteristics include high reliability, low power consumption, and excellent long-term stability.



Temperature & Pressure Sensors



Force Sensors



Temperature transducers



Pressure transducers

SCTB ELPA transducer products are successfully applied in such diverse fields as laboratory instrumentation, process control, meteorology, hydrology, and energy exploration.

For more information and for your specific inquiries, please contact AXTAL, the exclusive representative of SCTB ELPA in Germany.



GmbH & Co. KG

Buchfinkenweg 8
D-74931 Lobbach
Germany

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www.AXTAL.com
phone: +49 (6226) 9719689
fax: +49 (6226) 970133
E-mail: info@axtal.com