

Designing the Future of the Universe



NIHON DEMPA KOGYO.CO.,LTD.



Crystal Bridge to the Future

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HISTORY

1948 Company foundation

1949 Started mass production of synthetic quartz crystals

1972 Became NASDA(Former JAXA)'s qualified electrical parts manufacturer

1990 Listed NDK stock on the Second Section of the Tokyo Stock Exchange

1998 Listed on the First Section of the Tokyo Stock Exchange

1999 ISO 14001 certification obtained

2008 Conformity Assessment as meeting the ISO/IEC 17025 (2005)
international laboratory management standard

2010 Became the first company in Japan to adopt IFRS

Started co-development of QTGA(QCM Thermogravimetric Gas Analysis) with JAXA

2019 Started selling the QTGA systems globally

BUSINESS

NIHON DEMPA Kogyo Co., LTD.(a.k.a.NDK) has been providing crystal devices since the foundation, and is one of JAXA's qualified electrical parts manufacturer. Utilizing its accumulated crystal technology, the company started selling outgas analysis system with crystal sensor known as "QTGA(QCM Thermogravimetric Gas Analysis)" system in 2019.

To prevent damages on space equipment, Selection of organic materials with less outgas is very important. NDK contributes for the material selections with its high accurate QTGA systems.

PRODUCT



Twin Cryogenic QCM sensor working with liquid nitrogen
[Details](#)(Link to NDK's website)



Twin-Thermoelectric QCM sensor with peltier device inside
[Details](#)(Link to NDK's website)



1ch type sensing unit working with both Twin-CQCM and Twin-TQCM sensors.
*Connecting each QCM sensor, the unit automatically recognizes QCM type. [Details](#) (Link to NDK's website)



4ch type sensing unit working with both Twin-CQCM and Twin-TQCM sensors.
*Connecting each QCM sensor, the unit automatically recognizes QCM type. [Details](#) (Link to NDK's website)

HQ Location	Tokyo Japan
Overseas Office	London, Paris, Milano, Chicago, Silicon Valley
Year of Establishment	1948
Main Products	Outgas analysis system(QTGA system),Crystal-Related products such as Crystal devices (e.g. Crystal Units, Crystal Oscillators, Crystal filters), Ultrasonic Transducers, Synthetic Quartz and Crystal Blank.
Company Website	https://www.ndk.com/en/index.html
Contact Form	https://www.ndk.com/en/products/search/qtga/index.html
Point of Contact	bio-m@ndk.com (QCM sensor sales contact)
Category	Satellite Manufactuere