

Acoustic equipment | Reference datasheet

PRELIMINARY – configuration confirmation required. This sheet summarizes supplied product references. It is not an approved specification for every Qidoo delivery model.

T1000 Acoustic Imager

Visual sound-source localization for suspected partial discharge, gas leaks and abnormal equipment noise.

Microphone array	128 MEMS microphones in the supplied reference design; confirm quoted configuration.
Imaging and records	Acoustic source overlay on the camera image; inspection image records.
Frequency and detection distance	Pending model confirmation. Supplied source versions differ.
Dynamic range	Not specified in this reference sheet.

T2000 Multi-Channel Signal Analyzer

Signal acquisition, software analysis and excitation output for acoustic and vibration tests.

Inputs / outputs	6 input channels; 2 output channels.
Sensor connection	ICP or voltage inputs; verify sensor compatibility.
Sampling options	48 / 96 / 192 kHz. Sampling rate is not usable signal bandwidth.
Analysis and excitation	Time waveforms, frequency spectra and octave analysis. Sine, noise and sweep outputs; functions depend on software configuration.
Bandwidth / dynamic range / ADC	Pending confirmation. Conflicting source figures are not reproduced.

Supply scope

Agree sensors, laptop, cables, accessories, software modules and language in the quotation. Continuous monitoring is a separately specified project. No leak-rate, energy-saving or fault-detection guarantee is stated here.

Source basis: supplied Chenqiao combined brochure; T1000 and T2000 product introductions; Industrial Acoustic and Vibration Inspection presentation, slides 7-14. Prepared for Qidoo website review, 2026-10-09.