

CX-300

1 Introduction

CX-300 is a multifunction module that, together with **CX-MON300**[®] and **CXSpectra**[®] software applications allows monitoring, diagnosis, and effective protection of any dynamic equipment.

CX-300 can simultaneously measure:

- Four vibration input channels, from ICP Accelerometers, velocity and displacement sensors;
- Four Bearing fault estimator (BE) input channels – only for channels connected with the accelerometers;
- Four temperature input channels for PT100 RTD (2 or 3-wires);
- One speed measurement channel;

CX-300 module can also provide four current signals (4÷20 mA) proportional to the total vibration values (for remote display or for SCADA or DCS systems). To protect the machinery, **CX-300** module has four relays that can be mapped to any alarm generated by the module.

CX-300 module can be programmed to generate two alarm levels for each measured parameter (*Warning* and *Danger*).

All measuring channels are simultaneously measured (without multiplexing), so that the refresh time is typically 1 second.

CX-300 is dedicated to general-purpose machines (pumps, fans, and centrifuges).

With some restriction, CX-300 modules can be used also for any type of rotating machinery.

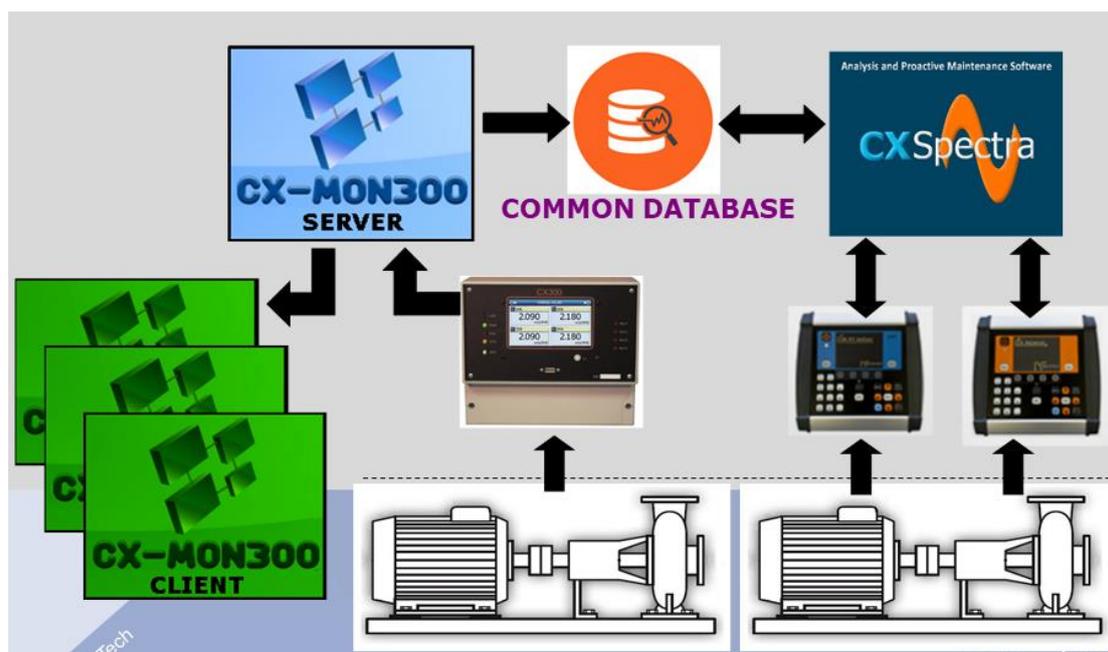
2 CX-300 integration

As can be seen in the picture below, CX-300 can transfer information to CX-MON300 (Server). Maximum 10 CX-300 modules can be connected to CX-MON300 application (for 40 vibration measurements).

CX-MON300 can be connected to any CXSpectra[®] database.

The software can transfer spectra (and BE measurements) in three modes:

- Scheduled – Normally, once a day;
- On demand - Manually, from the application;
- In danger – The latest available spectra are transferred together (for a machine) into the CXSpectra[®] database.



3 Using CXSpectra[©]

CXSpectra[©] is an analysis and diagnostics software for each separate machine, with many available tools, including narrowband definition with alarms.

Documentation Feedback

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Technical Support

Contact Details

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