Quality is more than a word

ESPEC

Web Integrated Network System

ESPEC ONLINE SERIES

ESPEC OnlineCore
ONLINE CORE

ESPEC OnlineConverter
ONLINE CONVERTER

ESPEC

In parallel to development of new technologies and industrial products, demand of coordination of test equipment and surrounding devices is increasing. ESPEC has developed new product "ESPEC ONLINE SERIES" that can provide you easy-to-use and advanced functions for test chamber management through the network system.

Online operation expands environmental test potential. The best solution for centralized control and the upgrade of test equipment's functions.

ONLINE

The combination ESPEC ONLINE SERIES and Ethernet makes possible to design your own centralized control system. You can operate your test chambers remotely on the Web browser and make them much better and efficient by downloading application software.

SERIES

CASE ①

If several languages would be available, I could manage it more easily.

CASE ②

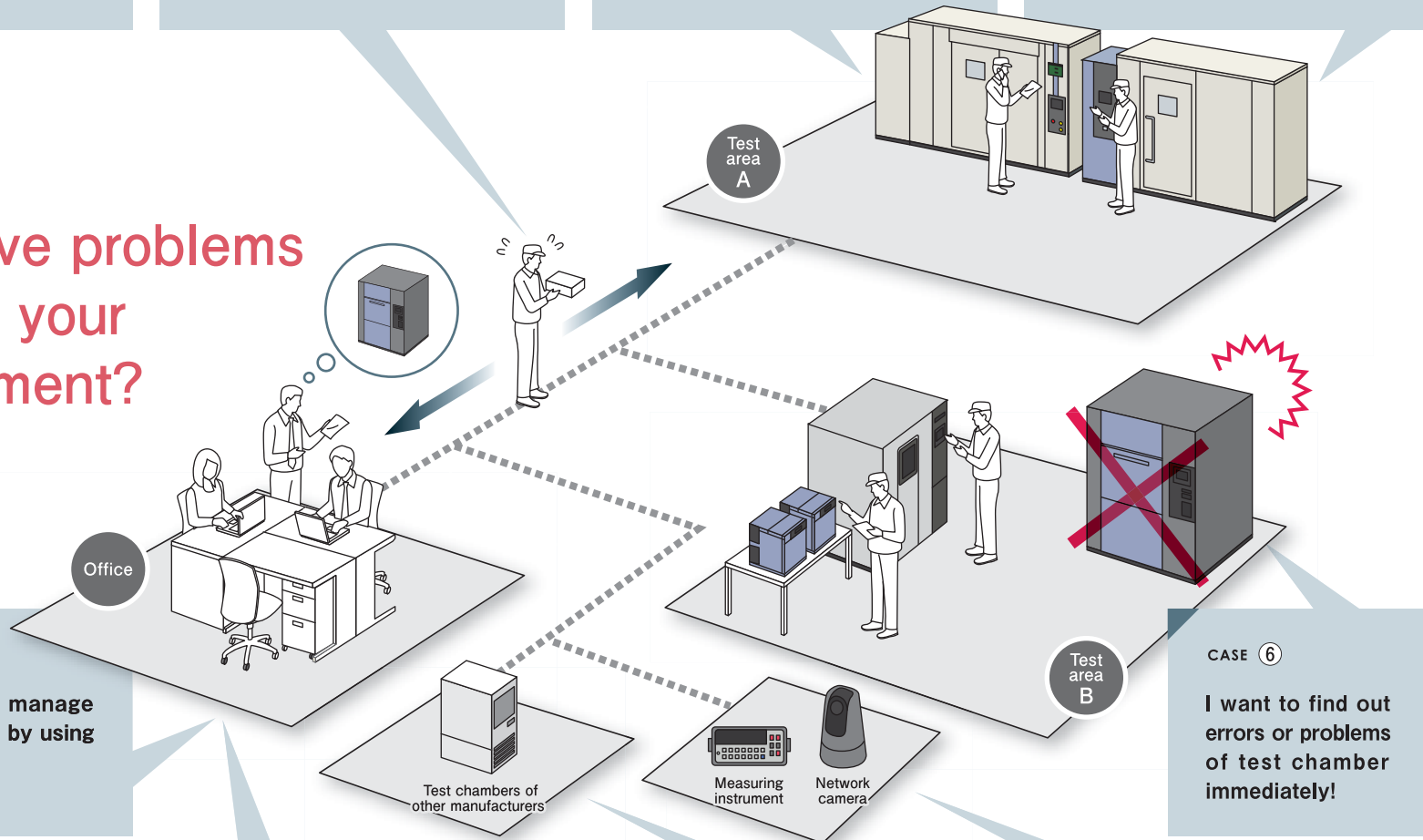I do not want to go around several test areas in order to check out test settings or their results etc.

CASE ③

I wish the transmitting program pattern data or storing test results would be much easier.

CASE ④

It takes me always time to input program patterns of different test standards.

Do you have problems to manage your test equipment?

Test area A

Office

CASE ⑤

I want to control and manage various test equipment by using only one computer...

CASE ⑥

I want to find out errors or problems of test chamber immediately!

Test area B

Test chambers of other manufacturers

Measuring instrument

Network camera

CASE ⑦

I want to save the time to visit a test area just for setting up the test chambers.

CASE ⑧

I want to have better overview of test equipment's operating schedule, so that several tests could be performed simultaneously and efficiently.

CASE ⑨

I want to control all test chambers at the same time, regardless of its manufacturer.

CASE ⑩

It would be much easier for me, if the management of network cameras, measuring instruments or other peripheral devices would be unified.

ESPEC ONLINE SERIES makes it easy!

CASE ① `ONLINE CORE` `ONLINE CONVERTER`

Multi-language Support

*English, Chinese (Traditional, Simplified), Korean, German, Russian, Spanish and Japanese are now available.
Connection with your existing ESPEC chambers, you can select your display languages by yourself.

CASE ③ `ONLINE CONVERTER`

Program pattern editing

Program pattern data can be stored on a computer and transferred to test chambers in a quick and easy way.
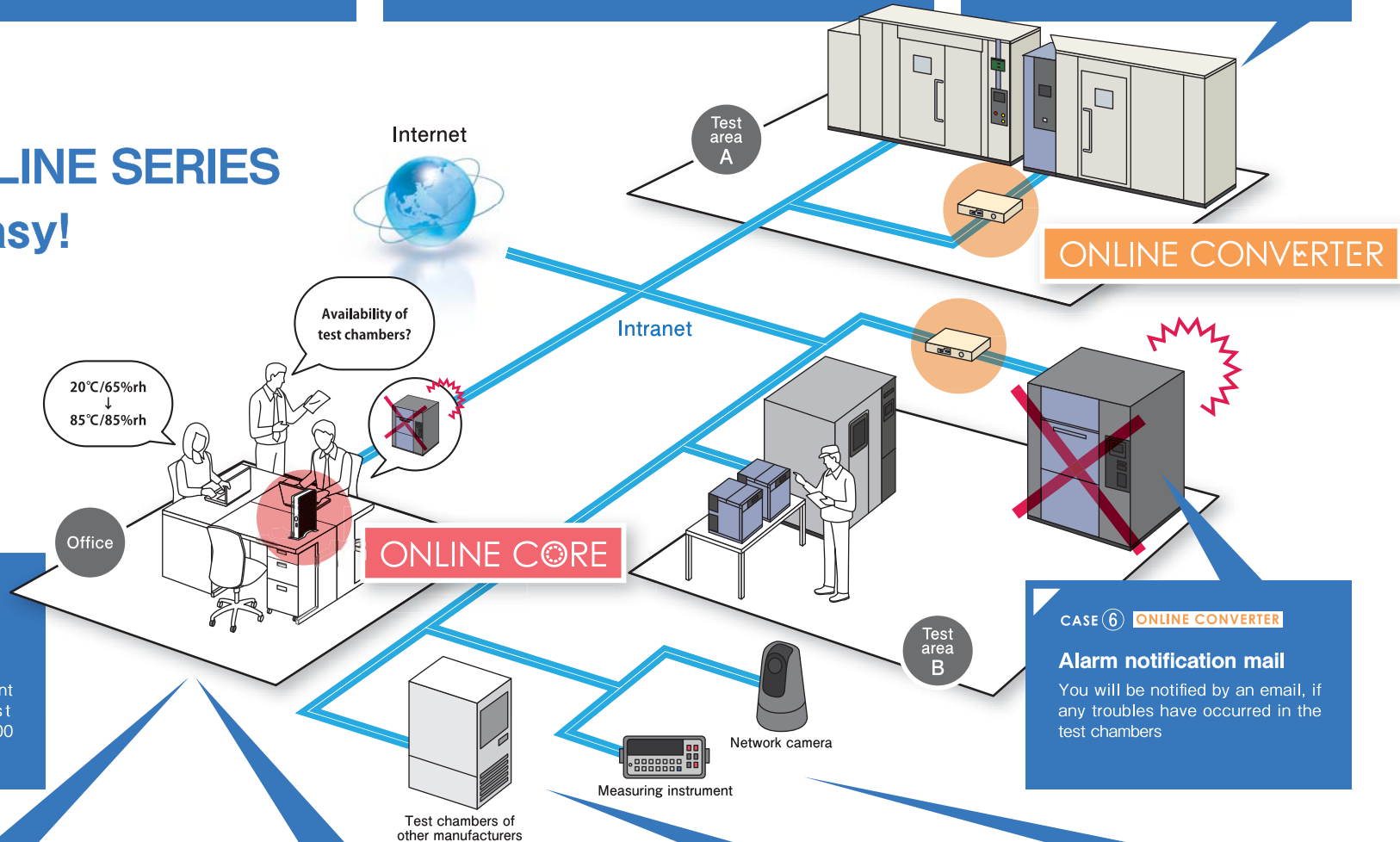
Data logging

Temperature and humidity data are recorded for a specified period.

CASE ④ `ONLINE CONVERTER`

Download of test pattern

Program patterns for various test standards can be downloaded from the Test Navi product membership site www.test-navi.com and copied to test chambers easily.

Internet

Intranet

Test area A

ONLINE CONVERTER

Availability of test chambers?

20℃/65%rh
↓
85℃/85%rh

Office

ONLINE CORE

CASE ② ⑤ `ONLINE CORE`

Centralized control monitor

You can observe all of current operating status of test equipment in one PC. (up to 100 test chambers)

CASE ⑥ `ONLINE CONVERTER`

Alarm notification mail

You will be notified by an email, if any troubles have occurred in the test chambers

Test area B

Network camera

Measuring instrument

Test chambers of other manufacturers

CASE ⑦ `ONLINE CONVERTER`

Remote control

By setting temperature and humidity condition via a web browser, you can operate test chambers remotely.

CASE ⑧ `ONLINE CORE`

Test pre-completion notification

You will be notified by an email shortly before completing the test.

Schedule management

You can administrate test schedules of several test chambers as well as surrounding devices.

CASE ⑨ `ONLINE CORE`

Multi connection to several test chambers

Connection with other manufacturers' test chambers is also supported. For more details, please contact us or your distributors.

CASE ⑩ `ONLINE CORE`

Surrounding device monitor

Connection to several surrounding devices, such as network cameras, measuring instruments is also supported.

ESPEC ONLINE
AddOn

Functions can be added to test chamber by installing application software.

Centralized monitoring
An application to improve centralized monitoring. For example: calculation of utilization rate for connected chambers.

An application insted of "the" instrumentation function
Application for improvement of instrumentation's usability.

Notification function
An application for notification. For example: in case of trouble or important timing, you will receive an email notification automatically.

Connecting between measuring instruments
An application for connecting a multi-meter, wattmeter, and other measuring instruments.

Other new application will be available in near future.

For further information about test equipment or additional function of ONLINE SERIES, please contact your distributor.

ESPEC ONLINE CORE
ONLINE CORE
Model : PCS-ES

The centralized control system, which is recommended for multiple test chamber user.

Tanks to the built-in web server function, you can easily observe the operational status of environmental test chambers by connecting to an existing intranet. With this function, you can also connect to various surrounding devices like network cameras and test devices, and also to test chambers of other manufacturers.

Schedule management	Multi connection to several test chambers *2
Centralized control monitor	Test pre-completion notification
Peripheral device monitor *1	

*1 See the next page for applicable models.
*2 For more detailed information for cooperativity or connectivity or setting up the centralized monitoring system, please contact ESPEC.

ESPEC ONLINE CONVERTER
ONLINE CONVERTER
Model : PN5-CN

An adopter for test chambers, which does not support network connection.

Using this adapter, you can connect to the LAN Network just only by connecting it to the RS-485 port. The built-in web server function makes it possible to check the operational status of several test equipment or monitor them remotely on the Web browser. You can also get further function by installing the add-on application software.

Remote monitoring	Data logging
Remote control	Program pattern editing
Alarm notification mail	

ESPEC OnlineConverter
PN5-CN
STATUS   POWER   DC-IN   ETHERNET   USB1   USB2   RS-485
ESPEC CORP.

ESPEC ONLINE SERIES ESPEC ONLINE CORE

Applicable Models and Conditions

▌ Products Supported by ONLINE C◉RE

Please check if the ESPEC test chamber unit is equipped with an Ethernet (LAN) port.

Product name	Model
Temperature (and Humidity) Chamber / Platinous J Series	PR, PL, PU, PSL, PG, PHP, PDR, PDL, PCR
Temperature (and Humidity) Chamber Walk-in E Series	EBE, EBL, EBR, EBF, EBU, EBUU
High-power Temperature (and Humidity) Chamber (N-instrumentation)	ARG, ARL, ARS, ARU
Bench-top Type Temperature (and Humidity) Chamber	SH/SU-**2
Constant Climate Cabinet	LH/LHL/LHU/LU-**4
Compact Ultra Low Temperature Chamber	MC-**2(R)
Stability Test Chamber	CSH-**2(HG)
Stability Test Room	CWH
Air Thermal Shock Chamber	TSA-**3
Web Manager	WMA-STD、WMA-TS、WMA-Multi、Web camera
Web Controller	**
RS-485 LAN Converter	CONV-L4
ESPEC ONLINE CONVERTER	PN5-CN
Standard Environmental Test System	
Digital Multi-meter	
Recorder	Please contact ESPEC for more information, which products to be connected.
Network Camera	
Water Purification System	
Remote I/O	

(ESPEC Products / Other Manufacturers' Products*)

▌ Products Supported by ONLINE CONVERTER

Product name	Model
Platinous K Series (P-instrumentation)	PR, PL, PSL, PDR, PDL, PCR, PWL, PU, PG, PWU
Walk-in H Series (P-instrumentation)	EBE, EBL, EBR, EBF, EBU, EBUU
Free Access Environmental Chamber (P-instrumentation)	PFL, PFU
High-power Temperature (and Humidity) Chamber (P-instrumentation)	ARG, ARL, ARS, ARU
Temperature and Vibration Combined Environmental Test Chamber (P-instrumentation)	PVL, PVS, PVU, PVG
Bench-top Type Temperature (and Humidity) Chamber	SH / SU-**1
Constant Climate Cabinet	LH / LHL / LHU / LU-**3
Compact Ultra Low Temperature Chamber (P-instrumentation)	MC-**1P
Faster Temperature (and Humidity) Chamber	SMG, SML, SMS, SMU
Rapid-Rate Thermal Cycle Chamber	TCC-150W
Highly Accelerated Stress Test System	EHS-**1(M)(MD) ***
Thermal Shock Chamber	TSA-**1, **2, TSD-100
Compact Thermal Shock Chamber	TSE-11-A
Liquid to Liquid Thermal Shock Chamber	TSB-21, 51
Temperature Chamber (M-instrumentation)	PV(H)-212M, 222M, 232M, 332M SPH(H)-102M, 202M, 302M, 402M PH(H)-102M, 202M, 302,M 402M IPH(H)-202M STPH 102M, 202M GPH(H)-102M, 202M SSPH 102M, 202M
Clean Oven (M-instrumentation)	PV(H)C-212M, 232M, 332M PVHC-232MS, 332MS

* Please note: Even if a device is equipped with an Ethernet port, you still may not be able to connect to the network.
** Supply from ESPEC NORTH AMERICA, INC.

*** Data logging and remote control are remitted. Please ask ESPEC, for details.

● ESPEC Chamber, which is equipped with a RS-485 port can be connected to ONLINECORE via ONLINECONVERTER.
● Before connecting to the LAN, please check whether your test chambers is equipped with RS-485 port. In some cases, depending on the manufacturing year or customer's requests, the RS-485 port is possibly not equipped. Please also note, that ONLINECONVERTER cannot be connected to the chamber, if the RS-485 port is already used for another function.
● To connect ESPEC products, which are not included on the list, or test equipment of other manufacturer, please contact ESPEC.