DS-3000

System configuration

■ Hardware

The 2-channel units or 4-channel units can be combined to expand to up to a 32-channel system.

Model	Name
DS-3102	2ch main unit (2ch basic set)
DS-3104	4ch main unit (4ch basic set)
DS-0362	2ch input unit (for expansion)
DS-0364	4ch input unit (for expansion)
DS-0371	1ch signal output module (built-in)
DS-0372	2ch signal output unit

■ I/F(ONO-LINK3)

DS-0396 (For desktop-type PC) *PCI Express × 1 slot

DS-0397 (For notebook-type PC) *PC card

DS-0398 (For notebook-type PC) *Express card

The cables are sold separately.
(1.5m / 3m / 10m / 20m)

■ Software

DS-2000 series (4ch to 8ch)[4]

Model	Name
DS-0221WA	General-purpose FFT analysis
DS-0222WA	Tracking analysis
DS-0223WA	1/1 and 1/3 real-time octave analysis
DS-0250WA	Throughput disk function
DS-0251A	File export function

[4] The software without "A" in the end of the model name cannot be used for the DS-3000 series.

■ Accessories

Model	Name
CC-0025	Soft carrying case
CC-0026	Hard carrying case
—	AC adapter [5]

[5] Required for a system of 14ch or larger.

General specifications

Number of input channels	2 to 32ch	Rotational speed range	60 to 192,000 r/min ⬆UP (based on maximum analysis order)
Input connector	BNC (voltage input / CCLD switching)		
Power supply for sensor	4 mA / 24 V	Outer dimensions	269 mm(W) × 71 to 267 mm(H) × 217 mm(D) Including a protector
Input voltage range	10 mVrms to 10 Vrms (7 ranges)		
Frequency range	DC to 40 kHz	Power-supply voltage	100 to 240 VAC 15 VDC
Dynamic range	110 dB ⬆UP	Power consumption	25 to 95 VA (at 15 VDC)
Number of signal output channels	0 to 5ch ⬆UP	Operating temperature range	0 to +40 °C (with no condensation)
Signal output FFT points	64 to 16384 points	Weight	2.2 kg (with 4ch) to 8.2 kg (with 32ch)
Real-time rate	40 kHz range, 8ch, 2048 points ⬆UP	Cooling fan	None (natural cooling: up to 12ch)
	20 kHz range, 16ch, 2048 points ⬆UP		
Throughput speed	40 kHz range, 16ch ⬆UP		
	20 kHz range, 32ch ⬆UP		

⬆UP : Upgraded function compared to the DS-2000 series.

Operating environment

OS : **Windows® XP（SP2. Net Framework 2.0 or later）/ Windows® Vista（SP1）/ Windows® 7** **NEW**
CPU : **Intel® Pentium® 4 / 2 GHz or more**

Memory: **Required 1 GB or more**
HDD : **Required 1 GB or more**

Note: ・ When the software of the DS-3000 series is installed, condition of the PC is also set up so that the DS-3000 series can be operated properly. If the settings are changed by the customer, some operation and performance are not guaranteed.
・ When condition of the PC is made into "Eco Mode" or "power-saving mode", it may become impossible to fulfill specifications, such as throughput speed.
・ The ONO-LINK II interface can also be used to connect with the DS-3000 series only when the application and driver for the DS-3000 series are installed on the PC. The application and driver for the DS-2000 are not available for the DS-3000 series. For details, please contact your nearest distributor or send an e-mail to us; overseas@onosokki.co.jp.
・ Only the 32-bit version Windows® OS is available.

● Microsoft® Windows® are registered trademarks of Microsoft Corporation in the United States and other countries.
● Other product names and model names are trademarks or registered trademarks of each individual company.
The copyrights are reserved by each individual company.

＊Outer appearance and specifications are subject to change without prior notice.
URL: http://www.onosokki.co.jp/English/english.htm
E-mail: overseas@onosokki.co.jp

ONO SOKKI

DS-3000

The next generation in signal analysis

DS-3100 Multi-Channel Data Station

POWER SYSTEM — ONO-LINK3 — REMOTE — EXT TRIG IN — EXT SAMP IN — 1 — SIGNAL OUT

DS-0364 4ch Input Unit

1 INPUT — 2 INPUT — 3 INPUT — 4 INPUT

Old Model (Reference only)

ONO SOKKI

"Top-notch performance, top-notch function, combined with easy handling"

After thoroughly investigating the question of "What makes a measuring instrument easy to use," Ono Sokki has developed a new type of data station, the **DS-3000** that performs at overwhelming throughput speed. With specifications that surpass those of the DS-2000, this new model will significantly reduce your measurement time.

B5 Size

Multi-Channel Data Station
DS series DS-3000

POWER / SYSTEM / ONO-LINK3 / REMOTE / EXT TRIG IN / EXT SAMP IN / SIGNAL OUT
DS-3100 Multi-Channel Data Station
DS-0364 4ch Input Unit / INPUT 1 / INPUT 2 / INPUT 3 / INPUT 4

Speedy

Double the analyzing speed (real-time rate) *1).
- **40-kHz range FFT online analysis: up to 8ch** (up to 4ch in the DS-2000)
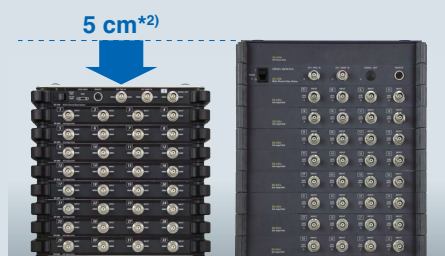- **20-kHz range FFT online analysis: up to 16ch** (up to 8ch in the DS-2000)

Double the data recording (throughput) speed *1).
- **40-kHz range: up to 16ch** (up to 8ch in the DS-2000)
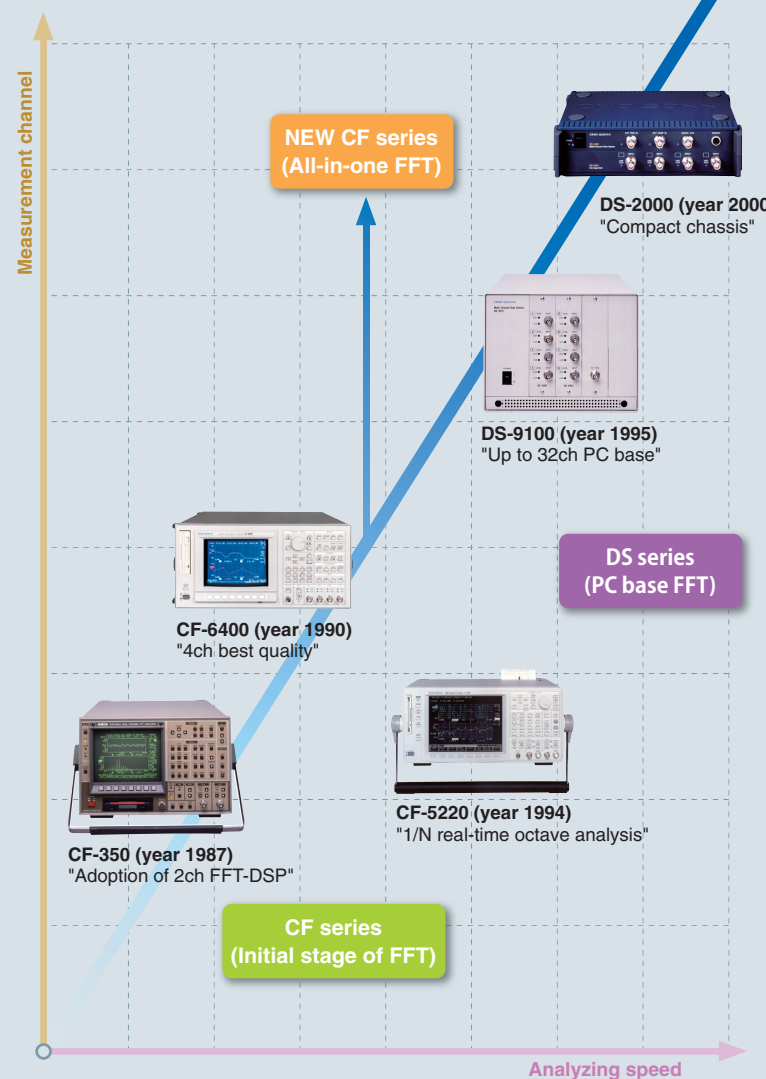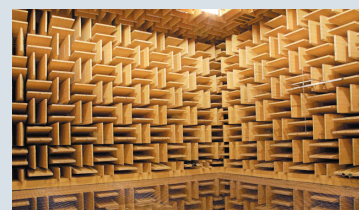- **20-kHz range: up to 32ch** (up to 16ch in the DS-2000)

Small Size

More compact than the conventional model (DS-2000).

5 cm*2)

Silent Measurement

No cooling fan required (up to 12-channel). *3)
No measurement interference when placed near a quiet object.

Measurement channel

NEW CF series (All-in-one FFT)

DS-2000 (year 2000) "Compact chassis"

DS-9100 (year 1995) "Up to 32ch PC base"

DS series (PC base FFT)

CF-6400 (year 1990) "4ch best quality"

CF-5220 (year 1994) "1/N real-time octave analysis"

CF-350 (year 1987) "Adoption of 2ch FFT-DSP"

CF series (Initial stage of FFT)

Analyzing speed

Smart Design

Universally-accepted "stylish" measuring instrument.
Measurer-friendly functions are incorporated in the sophisticated body.

ONO-LINK3 connector
The larger-size connector is placed on the front panel, and robustness and simplicity of detaching are significantly increased.

POWER / SYSTEM / Channel Data Station

Signal level LED
A line-type LED is adopted to enhance both visibility and aesthetic functionality.

1 INPUT / S-0364 4ch Input Unit

BNC connector
The pitch between connectors is made broader in compact unit. This design allows JPJ connectors to be attached to all channels.

3 INPUT / 4 INPUT / 52 mm / 40 mm / INPUT / INPUT

Large protector
The protector spaciously encloses the chassis and protects the unit from unexpected contingencies in the field. Easy-to-carry design is also advantageous.
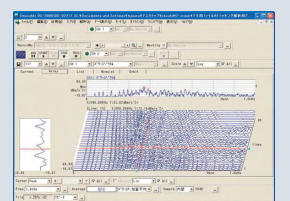
Large protector / ONO SOKKI

Application Software

DS-2000 series | **Online analysis**

| FFT | RTA |
| Tracking | Recording |