SPECIFICATIONS

Sensor Controller

KZ-70

RION CO., LTD.

3-20-41 Higashimotomachi, Kokubunji, Tokyo 185-8533 Japan

No. 97004-2E 99-09 Printed in Japan

Outline

The KZ-70 can be used with a particle counter (called a "node") equipped with the "RION multi-point monitoring system interface" (DATA LINK connector). In this case, the entire operation of the node including measurement time setting is controlled with the KZ-70 (Control mode).

The KZ-70 can also be used in a multi-point monitoring system with multiple sensors, for displaying display measurement data for a selected node. In such a case, control of the system is carried out by other multi-point monitoring equipment (normally running software such as KF-02A or RP-monitor), and the KZ-70 serves only for displaying measurement results. When used in this way, the node whose measurement data are to be displayed can be selected at the KZ-70 (Monitor mode).

Specifications

Suitable sensor types — Particle counter equipped with DATA LINK connectors for multi-point monitoring system

Operation modes

- Monitor mode — KZ-70 serves as measurement data monitor for selected node of a multi-point sensor monitoring system. Measurement control is performed by another unit in the multi-point sensor monitoring system. KZ-70 serves only to display measurement data.
- Control mode — KZ-70 is directly connected to a particle counter equipped with DATA LINK connectors and serves to control measurement operation of that unit. All measurement parameter settings are made at the KZ-70.

Control mode comprises the following three modes:

Manual mode : Measurement time is controlled manually.

Single automatic measurement mode :
One measurement is carried out automatically for the preset measurement time.

Repeated automatic measurement mode :
Measurement period (measurement and pause) is carried out repeatedly.

Display — LCD (with backlight)

Display items

- Date and time
- Sensor information (node number, node type, sample flow rate, current operation status)
- Measurement data (measurement volume, error information, particle size, particle count)
- Previous measurement data (particle count, measurement volume, error information)

Particle size channel	Max. 6 channels (varies by the features of node connected to KZ-70)
Printer connector	Allows connection of a printer for printout of measurement results
Ambient conditions for operation	
	+10 to +40°C, 85% RH max. (no condensation)
Ambient conditions for storage	
	-10 to +50°C, 85% RH max. (no condensation)
Power requirements	50/60 Hz, 100 - 240 V AC (±10%), approx. 20 VA
Dimensions	170 (W) × 201 (D) × 50 (H) mm
	170 (W) × 190 (D) × 40 (H) mm
	(without protruding parts)
Weight	Approx. 1.3 kg (main unit only)
Supplied accessories	

AC adapter	1
Terminator	2
Wall mounting bracket	1
(with 4 M4 × 6 screws)	
Grounding cable	1
Power cord	1
Instruction manual	1

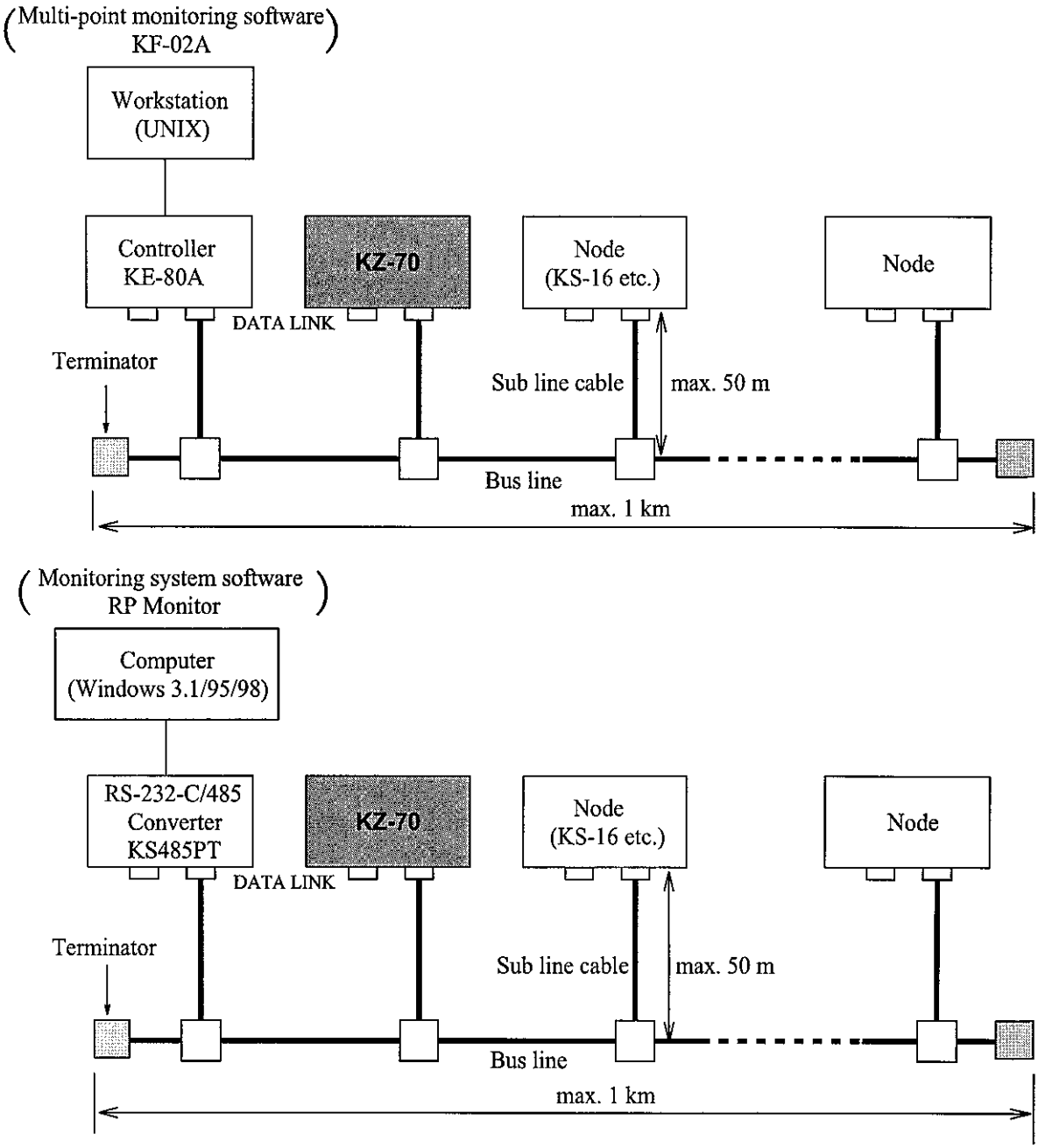
Optional accessories

Printer DPU-414
Printer cable CC-61DP
Sub line cable KZ-44-S01 - KZ-44-S06
Stand

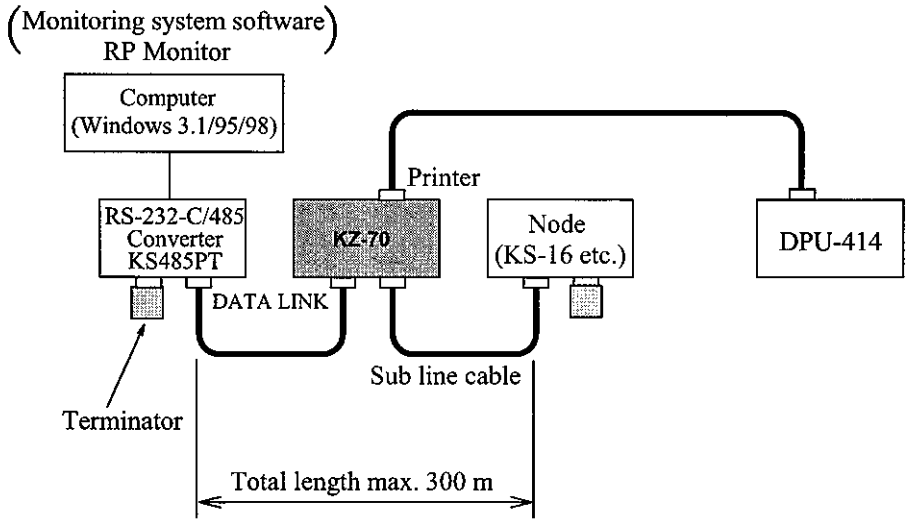
System configuration

Monitor mode

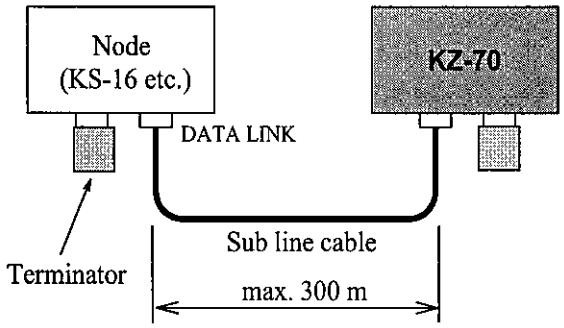
Bus line connection

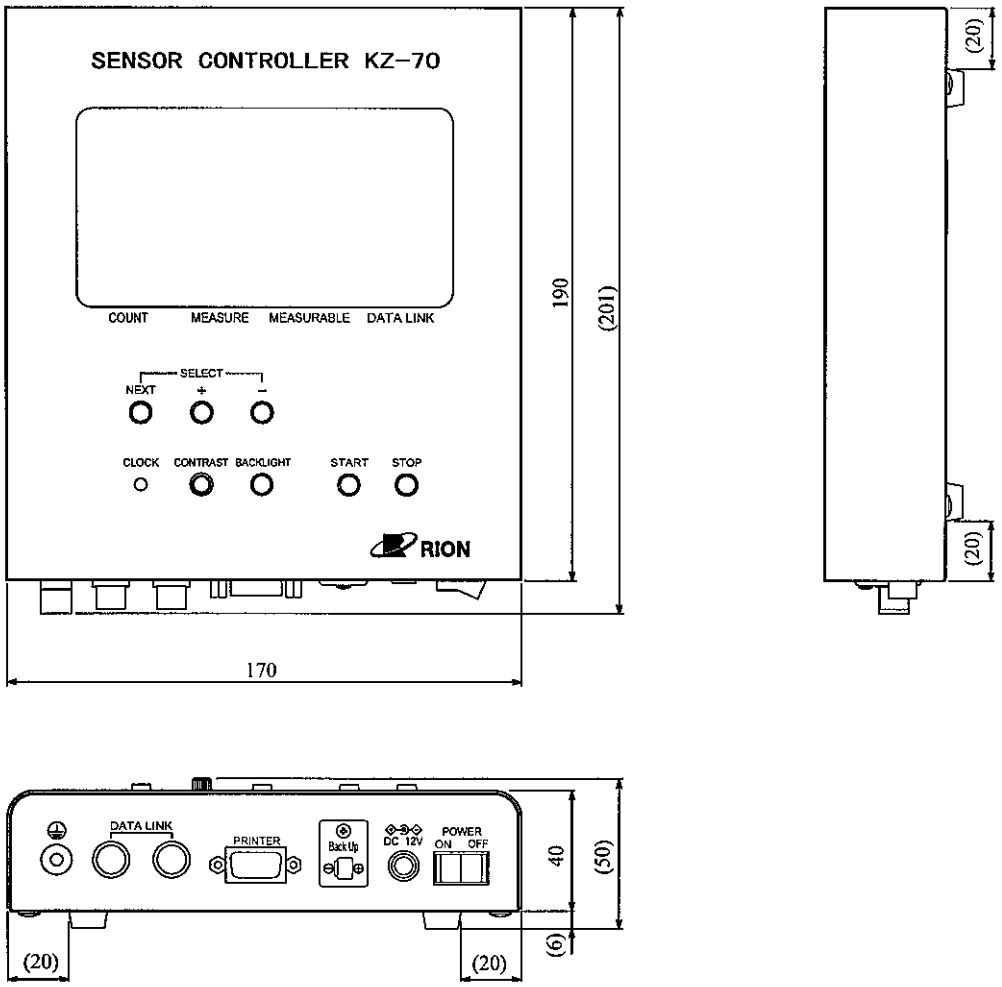


When the connected printor is controlled by RP Monitor



Control mode





Dimensional drawing Unit : mm