PRODUCT INFORMATION

External Memory Card Unit

Automatically record data into SD card via RS-232C
from Air Leak Tester and other instruments

EM-SD1
EXTERNAL MEMORY CARD UNIT
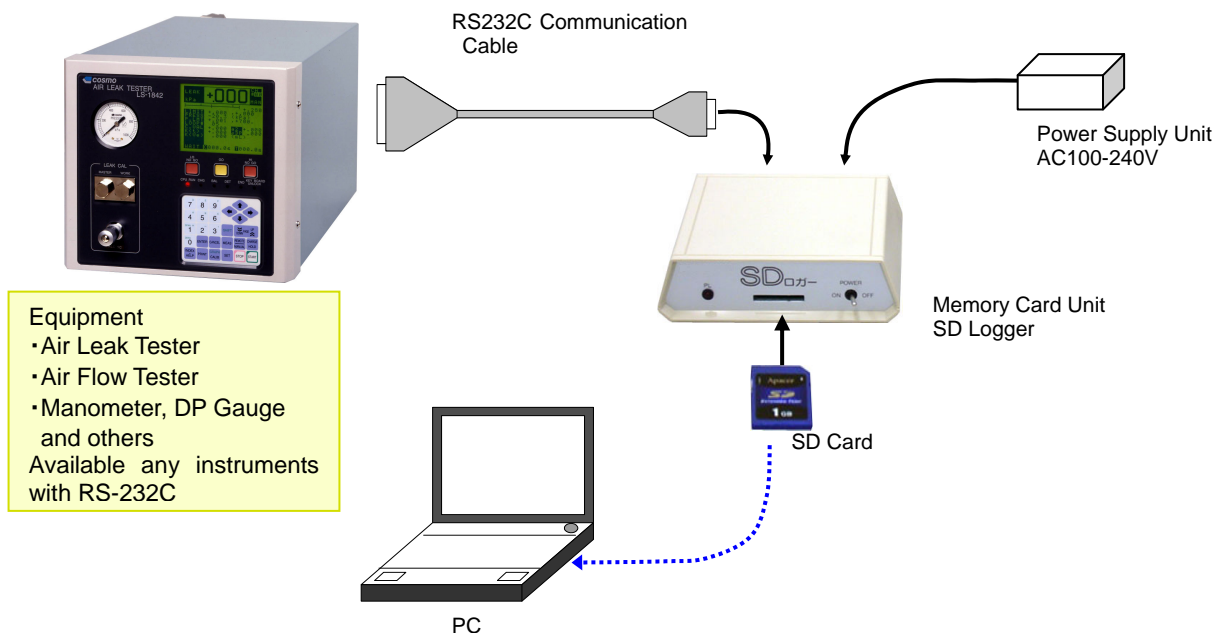
■ Features

- Data output by RS232C automatically recorded into SD card
- Available for all equipment with RS232C output
- Data is easily controlled by PC
- Compact body

■ What is included

EN-SD1 consist of the following items.

Memory Card Unit	SD Logger SD Card Unit
SD Card	Industrial SD Card 1GB
Communication Cable	RS-232C Cross Cable N：25pin-9pin or S：9pin-9pin Cable length： Standard 3m, Option 1.5m
Power Supply Unit	Input：AC100-240V 50/60Hz Output：DC12V 0.5A Power Cable 100-125V or 200-240V

■ Usage Example

RS232C Communication Cable

Power Supply Unit AC100-240V

Memory Card Unit SD Logger

SD Card

Equipment
・Air Leak Tester
・Air Flow Tester
・Manometer, DP Gauge and others
Available any instruments with RS-232C

PC

![COSMO logo]

■ Model Code
EM-SD1-N3001-VA

Stadard Model   ① ② ③ ④

①	Communication Cable Type	**N**	: 25pin-9pin RS-232C Cross Cable
		S	: 9pin-9pin RS-232C Cross Cable
②	Communication Cable Length	**30**	Standard 3m
		15	Option 1.5m
③	SD Card	**01**	Industrial SD Card 1GB
④	Cable for Power Supply Unit	**VA**	AC100-125V Power Supply Cable
		VE	AC200-240V Power Supply Cable

Instruments EM-SD1 can be used, depending on the communication cable type

Cable Type	Instruments Model
N : 25pin-9pin	Air Leak Tester : LS-1842, LS-1822A, LS-1813, LS-1441 and others Air Flow Tester : AF-2220, AF-2400 and others
S : 9pin-9pin	Air Leak Tester : LS-1866 and others Manometers, DP Gauge : DP-330BA and others

Even not listed above, EM-SD1 can be used in any instruments with RS-232C

■ Memory Card Unit Standard Specification

Unit Specification	Baud Rate (bps)	9600,19200 (300 to 57600 can be arranged)
	Data Bit	8 bit
	Stop Bit	1 bit
	Parity	N/A
	File System	FAT16, FAT32
	Card	SD Card (SDHC compliant)
	RS-232C	D-SUB 9pin male connector
	Power Supply	DC 8V to 12V
	Consumption Current	Standard 100mA Max.150mA
	Dimension W × D × H	119.5 × 100 × 35 mm

■ Data and File Generation
1. File Generation
   - ・ In power-on state, SD logger unit automatically generate a file and save data into it once data sent by the instruments.
   - ・ File name will be;
     0000.LOG
     0001.LOG
     0002.LOG
     Those automatically generated and will not be any duplicated name
2. File Closing and SD Card Removel
   When you want to close a file or stop collecting data, just trun its power off. Once making sure that the LED light on the unit off, plaese remove the SD card.
   All data saved in files can be checked on PC

※Information described here is correct as of February 2013. Specification can be changed without prior notice