



SD1

The high-speed standard for high-capacity instrumentation data recording



ANSI ID-1 format compliant SD 19mm data cartridges

Sony SD-1 data cartridges comply with the ID-1 ANSI (American National Standards Institute) standard. Established with the goal of achieving data interchangeability, the ID-1 format has proven successful in a wide range of high-speed data storage applications, from large instrumentation systems to corporate servers.

High-speed, high capacity recording

For large volumes of data, one L-size cartridge can store up to 100GB, while one M-size cartridge can store up to 40GB of data. Tapes can likewise be written or read at transfer rates of up to 512Mbps using a Sony DIR-1000H drive.

HCL binder for archival stability

The HCL (High Cross-Linkage) binder provides a strong cross-linked polymer chain structure and outstanding durability to withstand the repeated use of real-world applications. Sony's original surface technology also minimizes increases in friction during tape transport for increased error-rate stability.

Convenient cartridge case

A timesaving case design helps identify and retrieve the desired cartridge whether it is stored with the spine in a vertical or horizontal position, thereby simplifying searches through large numbers of cartridges. Likewise, the newly designed reel stopper minimizes reel vibration during transport.

MODEL NAME	SD1-600MA	SD1-1300LA
GENERAL CHARACTERISTICS		
Magnetic Material	Co-gFe ₂ O ₃	
Maximum Data Transfer Rate (Mbits/s)	512 (64MB/s)	
Recording Capacity	40GB	100GB
MAGNETIC CHARACTERISTICS		
Residual Magnetic Flux Density (mT)	150	
Coercive Force (kA/m)	74.0	
PHYSICAL CHARACTERISTICS		
Tape Width (mm)	19.01	
Tape Thickness (µm)	15.3	
Minimum Tape Length (m)	604	1,330
Breaking Tensile Strength (N)	99	
Yield Strength (N)	43	
Residual Elongation (%)	0.04	
Electric Resistivity (/sq)Magnetic Coating	5x10 ⁹	
Electric Resistivity (/sq)Back Coating	1x10 ⁸	
Light permeability (%)	0.2	
DIMENSIONS		
External Dimensions (mm)	254x150x33	366x206x33
Weight (g)	1,000 (with case)	2,700 (with case)

* When Sony DIR-1000H is used.

** Maximum wet bulb temperature: 79°F(26°C) at no condensation.