

Mammoth

QGD170ME 8mm data cartridge with Advanced Metal Evaporated (AME) tape



20GB recording capacity, 3MB/second transfer rate

The QGD170ME outpaces conventional models with six times the transfer rate and three times more recording capacity. The AME tape has recording capacities of 20GB native and 40GB compressed, and achieves respective transfer rates of 3MB and 6MB per second.

Metal evaporated process for AME tape

Pure cobalt hyper evaticle magnetic particles created by metal evaporated process provide the highest performance achieved yet. The AME tape boasts a higher packing density, more uniform magnetic particle dispersion, and a greater active magnetic particle area, so that huge volumes of digital data can be recorded with ease.

DLC protective Layer for high durability

The tape is constructed with an extremely hard, anti-abrasive protective layer called DLC (Diamond Like Carbon), which means there is very little increase in friction even with repeated use.

MODEL NAME	QGD170ME
GENERAL CHARACTERISTICS	
Magnetic Material	AME
Recording Density (ftppm)	3,820 (97,000ftpi/74,700bpi)
Recording Capacity (Compressed*)	20GB (40.0GB*)
MAGNETIC CHARACTERISTICS	
Residual Magnetic Flux Density (mT)	500
Coercive Force(kA/m)	105
PHYSICAL CHARACTERISTICS	
Tape Width (mm)	8.0
Tape Thickness (µm)	7.0
Tape Length (m)	170
ENVIRONMENTAL REQUIREMENTS	
Operation Conditions (*F(°C);%RH)	41-113 (5-45);20-80**
Storage Conditions (*F(°C);%RH)	41-89.6 (5-32);20-60**
Transportation Conditions (*F(°C);%RH)	-40-113 (-40-45);5-80**
DIMENSIONS	
External Dimensions (mm)	95.0x62.5x15.0
Weight (g)	80 (with case)

* 2:1 Compression ratio.

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