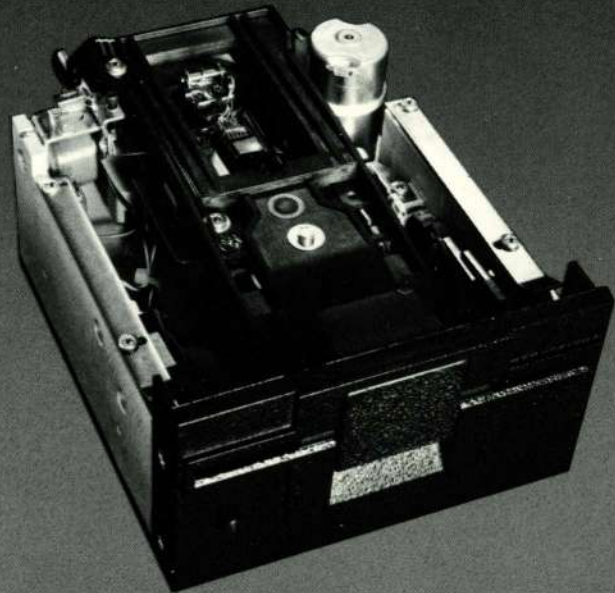


FD200



FD250

PERTEC FD200/FD250 Microfloppy Disk Drives

For Low Cost Mass Storage, Depend on Pertec's Microflops. We've got what you need for OEM applications.

Want a single head and double density? That's our FD200 microfloppy disk drive. Want a double head and double density? We've got that too--in our FD250. If you're not up to double density, both drives can also accommodate single density recording.

Need more storage capacity? High resolution heads and improved read electronics make it possible to record up to 437,500 bytes on the FD250, without flipping the diskette. If that's not enough, try the FD200 for 250,000 bytes, then flip over the 5¼ inch diskette, and record *another* 250,000 bytes.

Want reliability? Our IBM-compatible read/write heads are the very same industry proven heads we've used in thousands of our FD400 and 500 models. What's more, the FD250 has a diskette in-place switch, designed to increase unit life.

Want more than 35 on-line recording tracks? Try our FD200 drive with 40. More? Try the FD250 and get 70.

But we haven't stopped there. Our designers have thought of lots of other ways to give you what you need in microflops.

For instance, we didn't want you to worry about overseas voltage differences, so both the FD200 and 250 operate with standard 5- or 12-volt dc power supplies. We didn't want you to worry about spares and repairs, so both models' interface electronics have been reduced to a single PCBA. Plus, the FD250 uses a special dual-head mechanism that will decrease your media and head wear.

If you need more information, talk to your local Pertec salesman. He'll tell you more about why our microflops are the best choice in low cost mass storage. Depend on it.

See reverse for specifications.

FD200/FD250 Microfloppy™ Disk Drive Specifications

Media	
Tracks per inch	Industry-compatible 5-1/4-inch diskette
Number of Tracks	48
	FD200: 40 tracks
	FD250: 70 tracks
Read/Write Track Width	0.047 mm (0.012 inch)
Physical	
Height	82.55 mm (3.25 inches)
Width	146.05 mm (5.75 inches)
Depth	203.2 mm (8.0 inches)
Weight	1.45 kg (3.2 pounds)
Environment	
Temperature Operating	10°C to 42°C (50°F to 110°F)
Non-operating	-40°C to 71°C (-40°F to 160°F)
Relative Humidity Operating	20% to 80%
Non-operating	5% to 95% (non-condensing)
Performance	
Seek Time	25 msec track to track
Head Settling Time	10 msec (last track addressed)
Head Loading Time	35 msec (maximum)
Error Rate (maximum)	1 per 10 ⁹ recoverable, 1 per 10 ¹² non-recoverable
Head Life	20,000 hours (normal use)
Media Life	3 million passes on a single track
Disk Speed	300 rpm ±1.5%
Instantaneous Speed Variation	±1.0%
Start/Stop Time	1 second (maximum)
Recording Parameters	
Transfer Rate	125/250K bits/second
Recording Density (inside track)	2768/5536 bpi
Maximum Bytes per Disk ¹	FD200: 125,000/side (single density)/ 250,000/side (double density)
	FD250: 218,750 (single density)/ 437,500 (double density)
Maximum Bytes per Track ¹	3125/6250
Recording Mode	FM single/MFM double density
Power Requirements	
	+ 12v dc ±0.6v, 2 amps maximum
	5v dc ±0.25v, 0.8 amps maximum

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