TEAC FD-235 SERIES

- Super slim, one-inch high design
- Low power consumption (Operating: 1.1 W)
- Operates on DC+5 V power
- A choice of models and interface types (TTL or CMOS) to match your system requirements: FD-235F (1MB), FD-235GF (1.6MB/1MB), FD-235HF (2MB/1MB), FD-235HG (2MB/1.6MB/1MB)
- Simplified mechanisms
- Long-life, precise, reliable brushless DD motor

3.5-inch Micro Floppy Disk Drive

Standard Bearers in Style and Performance

The FD-235 Series from TEAC provides outstanding performance in handsome, compact form. Each FDD stands just one inch in height, weighs only 350 grams, and is so efficient that it requires a mere +5V DC power supply.

TEAC gives you a choice of 1MB, 1.6MB or 2MB versions, as well as one versatile model that can operate at any of the 3 memory capacities. The FD-235 Series from TEAC—performance and style you can count on.
Now TEAC adds the next element in the evolution of the micro FDD. Elegance.

Simplified and electronically, the compact FD-235 Series offers huge memory capacities despite being only a slim one-inch high and weighing only 350 grams. The improved design simplicity of the FD-235 Series results in rock-solid reliability and makes these micro FDDs the perfect choice for personal computers, word processors, etc.

**Simplified Design**
The new simplified design means that the mechanical and electronic parts are extra reliable.

**Compact Dimensions**
Slim of the 3.5" FDDs, the mere one-inch high case means less weight and less bulk.

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**Low Power Consumption**
TEAC combined efficient electronic circuits in custom LSIs with a high-performance drive motor to achieve low power consumption: only 1.1 W in operation (FD-235F).

**Improved Reliability**
The simplified mechanism with superior heat radiation capabilities reduces heat output and delivers highly precise, reliable operation.

**Perfect for Laptops**
No need for DC+12 V power. The lightweight FD-235 Micro FDDs run on a DC+5 V power source.

**4 Versions to Choose From**
Each model of the Series, which consists of the 1 Mbyte FD-235F, 1.8 Mbytes FD-235GF and 2 Mbytes FD-235HF/ FD-235HG, can be purchased with either a TTL or CMOS interface.

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**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specifications of the TTL and CMOS interface types are the same.</th>
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**Recording Method:** FM or MFM

**Media:**
- High density (2HD) or normal density (2DD) 3.5-inch micro floppy disk

**Motor Starting Time:**
- Average Latency Time:
  - 480 msec or less
  - 833 msec (360 rpm)
  - 100 msec (300 rpm)
  - 166.7 msec (360 rpm)
  - 200 msec (300 rpm)
  - More than 30,000 hours
  - 30 minutes or less Soft read error: less than 1/10^6 bits
  - Hard read error: less than 1/10^12 bits
  - Seek error: less than 1/10^8 seeks

**MTBF:**
- More than 30,000 hours
- 30 minutes or less
- Soft read error: less than 1/10^6 bits
- Hard read error: less than 1/10^12 bits
- Seek error: less than 1/10^8 seeks

**Safety Standards:**
- DC + 5 V ±10%
  - (DC 12 V is not necessary)
- Permissible ripple: less than 100 mVp-p

**Power Requirements:**
- FD-235F: TTL/CMOS Interface type Standby: 15 mW typical
  - ReadWrite: 1.1 W typical
  - Seek 3ms:
- FD-235GF/235HG: 15 mW typical
  - ReadWrite: 1.1 W typical
  - Seek 3ms:

**Dimensions:**
- 101.6W x 25.4H x 145D (mm)
- 4" x 1" x 5.7" [approx.]

**Weight:**
- 950 g (0.77 lbs.) [typical]

**Features and specifications are subject to change without notice.**

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**3-Mode, Full-media-compatible Model**
The FD-235HG enables your computer system to use a wide range of software since it is 1.16/2MB-compatible and, like the FD-235GF/FD-235HF, can read/write on up to 135πi 1MB double-sided disks.

**Highly Precise Motor**
A long-lived, slim, and very reliable brushless direct drive motor is used.

**A choice of bezel colors**
In addition to the standard black bezel, PC/AT and PS/2 colored bezels are available.

**Another option**
A type in which the power source connector is installed within the interface connector is also available.

*IBM PC/AT and PS/2 are registered trademarks of the International Business Machines Corporation.

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**FD-235F**
- 3.5-Inch Micro Floppy Disk Drive

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