

TANDBERG DATA

MODEL:	TDC-3610/20	TDC-3630/40	TDC-3650/60	TDC-3820	TDC-4120	TDC-4220
MAX. CAPACITY:	100MB	200MB	250MB	525MB	1.2GB	2.5GB
INTERFACE:	QIC-02 or SCSI-1 or 2 Depending on part no.	QIC-02 or SCSI-1 or 2 Depending on part no.	QIC-02 or SCSI-1 or 2 Depending on part no.	SCSI-1 or 2 Depending on part no.	SCSI-1 or 2 Depending on part no.	SCSI-1 or 2 Depending on part no.
BUFFER SIZE:	64KB w/Parity	64KB w/Parity	64KB w/Parity	256KB w/Parity	256KB w/Parity	256KB w/Parity
DIMENSIONS:	44 x 150 x 218mm 1.732 x 5.905 x 8.583in	44 x 150 x 218mm 1.732 x 5.905 x 8.583in	44 x 150 x 218mm 1.732 x 5.905 x 8.583in	44 x 150 x 218mm 1.732 x 5.905 x 8.583in	44 x 150 x 218mm 1.732 x 5.905 x 8.583in	44 x 150 x 218mm 1.732 x 5.905 x 8.583in
MOUNTING SCREWS:	3 x 10mm	3 x 10mm	3 x 10mm	3 x 10mm	3 x 10mm	3 x 10mm
WEIGHT:	1.1kg/2.4lbs	1.1kg/2.4lbs	1.1kg/2.4lbs	1.1kg/2.4lbs	1.1kg/2.4lbs	1.1kg/2.4lbs
POWER DISSIPATION (TYPICAL):	15W Running 2.25W Standby	15W Running 2.25W Standby	15W Running 2.25W Standby	15W Running 3.1W Standby	15W Running 3.5W Standby	15W Running 3.5W Standby
(PEAK):	3.9A Motor Startup	3.9A Motor Startup	3.9A Motor Startup	3.3A Motor Startup	3.3A Motor Startup	3.3A Motor Startup
SUSTAIN XFER RATE:	90KB/Sec	90KB/Sec	90KB/Sec	200KB/Sec	200KB/Sec (Default) * 300KB/Sec	300KB/Sec
BURST XFER RATE:	1.4MB/Sec	1.4MB/Sec	1.4MB/Sec	3MB/Sec	3MB/Sec	3MB/Sec
RECORDING FORMAT (NATIVE):	QIC-24	QIC-120	QIC-150	QIC-525	QIC-1000	QIC-2GB
TAPE TYPE/ CAPACITY	DC6250 (100MB) DC600A (60MB)	DC6250 (250MB) DC600A (125MB)	DC6250 (250MB) DC6150 (150MB)	DC6525 (525MB) DC6320 (320MB)	DC9120 (1.2GB) DC9100 (1.0GB)	DC9200 XL (2.5GB) DC9200 (2GB)
WRITES:	QIC-24 QIC-11	QIC-120	QIC-150 QIC-120	QIC-525 QIC-150 QIC-120	QIC-1000 QIC-525 QIC-150 QIC-120	QIC-2GB QIC-1000 QIC-525 QIC-150 QIC-120
READS:	QIC-24 QIC-11	QIC-120 QIC-24 QIC-11	QIC-150 QIC-120 QIC-24 QIC-11	QIC-525 QIC-150 QIC-120 QIC-24	QIC-1000 QIC-525 QIC-150 QIC-120 QIC-24	QIC-2GB QIC-1000 QIC-525 QIC-150 QIC-120 QIC-24
# TRACKS:	9	15	18	26	30	42
FLUX DENSITY (FRPI)	10,000	12,500	12,500	20,000	45,000	50,800
RECORDING DENSITY (BPI):	8000	10,000	10,000	16,000	36,000	40,640
BLOCK SIZE:	512KB Fixed	512KB Fixed	512KB Fixed	512KB, 1024KB, Variable	512KB, 1024KB, Variable	512KB, 1024KB, Variable
ERROR CORRECTION (ECC):	None	None	None	Reed-Solomon Level-2	Reed-Solomon Level-2	Reed-Solomon Level-2
FRAME:	None	None	None	Yes; 14 + 2	Yes; 14 + 2	Yes; 14 + 2
ENCODING:	GCR 0,2	GCR 0,2	GCR 0,2	GCR 0,2	GCR 0,2	GCR 0,2
NON-RECOVERABLE ERRORS:	< or = 1 in 10E11	< or = 1 in 10E11	< or = 1 in 10E11	< or = 1 in 10E14	< or = 1 in 10E15	< or = 1 in 10E15
AUDIBLE NOISE:	55dB	55dB	55dB	55dB	55dB	55dB
HEAD:	Brass	Brass	Brass	Ferrite	Ferrite	Ferrite
HEAD LIFE 100% Duty:	>2,000 POH	>2,000 POH	>2,000 POH	>5,000 POH	>5,000 POH	>5,000 POH
FIRMWARE:	EPROM	EPROM	EPROM	EPROM	Flash Memory	Flash Memory
MTBF 10% DUTY:	>30,000 POH	>30,000 POH	>30,000 POH	>120,000 POH	>150,000 POH	>200,000 POH
MTTR:	< 0.5 HRS	< 0.5 HRS	< 0.5 HRS	< 0.5 HRS	< 0.5 HRS	< 0.5 HRS
APPROVALS:	FCC/VDE/CISPR Class B UL/CSA/TUV	FCC/VDE/CISPR Class B UL/CSA/TUV	FCC/VDE/CISPR Class B UL/CSA/TUV	FCC/VDE/CISPR Class B UL/CSA/TUV	FCC/VDE/CISPR Class B UL/CSA/TUV	FCC/VDE/CISPR Class B UL/CSA/TUV
WARRANTY:	2 YEAR	2 YEAR	2 YEAR	2 YEAR	2 YEAR	2 YEAR

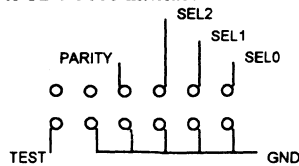
* If supported by application.

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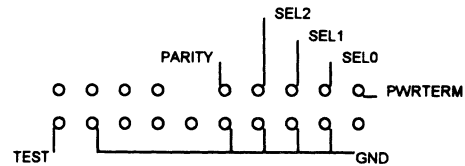
INSTALLATION NOTES:

- WARNING!** Exposure to hazardous voltages may occur! Refer installation to qualified personnel only. Before you begin installation, position the system unit and any external option power switches to OFF, then unplug the system unit and all other options from the wall outlet.
- CAUTION!** Prior to handling any printed circuit boards, practice proper electrostatic discharge techniques by wearing a ground strap or by touching a metal part of a plugged-in 3-prong appliance.
- Mounting drive top or bottom-flush against a flat surface will impede air flow and cause overheating of the capstan motor. Allow at least 10mm (0.4") clearance. Recommended mounting position is either horizontal with the indicator to the left, or vertical with the indicator down. Drive must NOT be mounted with the cartridge operating upside down.
- The mounting screws provided are 3mm in diameter and 10mm (.40") in length. A serrated washer is also provided. To ensure proper securing of the drive only 3mm diameter screws should be used and the thread engagement into the drive chassis must be a minimum of 5mm (.20") and a maximum of 7.5mm (.30"). Do NOT bend or twist aluminum chassis when tightening the mounting screws.
- For internal tape installation, the computer power supply must be able to provide sufficient amperage for all installed equipment including the tape drive. When adding up power requirements of devices, be sure to use start-up values for motorized devices such as disk drives and the tape drive.
- Setting Drive ID:

For TDC-3600 Interface Series Drives



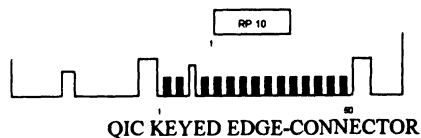
For all other TDC Series Drives



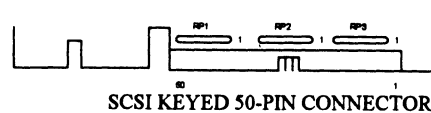
ID	SEL0	SEL1	SEL2	
0	Open	Open	Open	(QIC-02 & SCSI)
1	Closed	Open	Open	(QIC-02 & SCSI)
2	Open	Closed	Open	(QIC-02 & SCSI)
3	Closed	Closed	Open	(QIC-02 & SCSI)
4	Open	Open	Closed	(SCSI ONLY)
5	Closed	Open	Closed	(SCSI ONLY)
6	Open	Closed	Closed	(SCSI ONLY)
7	Closed	Closed	Closed	(SCSI ONLY)

- Remove the Resistor Pack (RP) or packs when drive is NOT mounted at the end of the interface bus or when external bus termination is used:

QIC Interface remove RP 10



SCSI Interface remove RP 1, RP 2, & RP 3



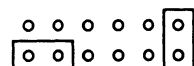
- Use only certified quality tape cartridges. Do NOT use worn or audibly noisy cartridges. Cartridges which repeatedly require rewriting should be rejected. Cartridges should be exposed to the actual operating environment for at least 4 hours. Each time a cartridge is inserted in the drive, the tape should be run one complete end-to-end pass (retension), prior to start of the write operation.

- Head cleaning with the Tandberg Cleaning Cartridge Kit is recommended after every 8 hours of tape running or after every 7 days of power-on. Always clean head immediately after using a new cartridge, after a large number of rewrite or reread operations, and after a hard read or write error. Tandberg Cleaning Cartridge Kits are available from your Tandberg Data Supplier. Do NOT use any hard or sharp objects that might scratch the surface of the head. Even small scratches may damage the head permanently.

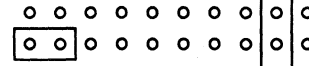
- The drive supports self diagnostics: automatically at power-up and at reset or manually by user activation. Selftest is invoked by using the straps located at rear of drive:

TEST	SEL2	SEL1	SEL0
Closed	Open	Open	Closed

For TDC-3600 Series Drives



For all other TDC Series Drives



SELFTEST RESULTS:

LED Function:
1. Blinking green
2. Blinking red

Selftest Operation:
Passed
Failed (Contact your TD Supplier for service.)

- Technical Reference and Maintenance Manuals are available from your Tandberg Data Supplier.