


# Tandberg SLR Libraries

*Massive capacity, unmatched scalability and total reliability.*

*The decision to automate your data is critical. Disk Backup, Near On-line Storage, Archival Storage, HSM or Data Collection – whatever your application, it needs careful planning now and for the future.*



- Up to 4\*TB storage capacity and 144\*GB/hr transfer rate
- Average file access < 65 seconds
- Unattended backup and total reliability
- Bar code reader for easy tracking of stored data
- I/O port for manual load and unload of cartridges
- Supported by all major software suppliers
- Features advanced encoding technology with SLR100 

## PROTECTING FUTURE DATA REQUIREMENTS

Data storage requirements double every 12 months – an explosive growth path. Make the right choices now and get an edge on the future. Tandberg Data meets all your requirements with an unbeatable price/performance, up to 4\*TB capacity and total reliability.

## BACKWARD COMPATIBILITY KEEPS YOU MOVING FORWARD

Backward compatibility to older tape cartridges ensures that archived data is protected and available. Providing and

developing a family of scalable and compatible products that grow with you is our priority. With Tandberg Data products your investment today is an investment in your future capacity needs.

## ULTRA-FAST TRANSFER RATES

Ultra-fast speeds allow you to access data in fast moving environments like Near On-Line Storage. Transfers up to 144\*GB/hr are achievable.

\* Assuming 2:1 Data Compression.

**TANDBERG DATA** 

## TANDBERG SLR LIBRARY TECHNICAL SPECIFICATIONS

| LIBRARY TYPE                                 | SLR Library 1210  | SLR Library 1420                   | SLR Library 1440                   |
|--|---|------------------------------------|------------------------------------|
| Number of Drives:                            | 1 or 2  | 1 to 4                             | 1 to 4                             |
| Number of Cartridges:                        | 10  | 20                                 | 40                                 |
| Number of 10 Cartridge Magazines:            | 1   | 2                                  | 4                                  |
| Magazine Carrousel:                          | No  | Yes                                | Yes                                |
| Additional Cartridge Slots:                  | 1   | 2                                  | 4                                  |
| Private Slot for Cartridge Exchange:         | 1   | 1                                  | 1                                  |
| Bar Code Reader (Scanning):                  | Optional (13 sec)   | Optional (30 sec)                  | Standard                           |
| Manual Load Port:                            | Optional  | Standard                           | Standard                           |
| Cartridge Load Time Pick and Place Average:  | < 9 sec   | < 10 sec                           | < 10 sec                           |
| Bar Code Scanning all Cartridges:            | 13 sec  | 30 sec                             | 55 sec                             |
| Field Upgrades:                              | -   | Yes (to Model 1440)                | -                                  |
| <b>Performance Characteristics</b>           |   |                                    |                                    |
| Capacity                                     | SLR50: 250GB/500'GB<br>SLR100: 500GB/1000'GB  | 500GB/1000'GB<br>1000GB/2000'GB    | 1000GB/2000'GB<br>2000GB/4000'GB   |
| Total Transfer Rate/hr                       | SLR50: 28.8'GB/hr<br>SLR100: 72'GB/hr   | 57.6'GB/hr<br>144'GB/hr            | 57.6'GB/hr<br>144'GB/hr            |
| <b>Reliability and Data Integrity</b>        |   |                                    |                                    |
| MTBF (robotics/electronics):                 | 200,000 hrs   | 200,000 hrs                        | 200,000 hrs                        |
| Cartridge Swap / MEBF:                       | 1 million   | 1 million                          | 1 million                          |
| <b>Physical Specifications</b>               |   |                                    |                                    |
| Height/Width/Depth (cm/inches):              | 58.9(23.2) / 33(13) / 64.5(25.4)  | 74.4(29.3) / 43.2(17) / 75.9(29.9) | 74.4(29.3) / 43.2(17) / 75.9(29.9) |
| Weight - net/shipping:                       | 70.0/89.0 lbs (31.8/40.4 kgs)   | 104/130 lbs (43.7/59 kgs)          | 104/130 lbs (43.7/59 kgs)          |
| <b>Power Requirements (Typical)</b>          |   |                                    |                                    |
| Input Voltage:                               | — 90-264 VAC @ 48-62Hz Auto Voltage Select —  |                                    |                                    |
| Idle/Peak:                                   | ≤ 80 W  | ≤ 120 W                            | ≤ 120 W                            |
| Peak V-A:                                    | ≤ 350 V-A   | ≤ 400 V-A                          | ≤ 400 V-A                          |
| <b>Environmental Specifications</b>          |   |                                    |                                    |
| Temperature:                                 | Operating: +5°C to + 30°C / +41°F to +86°F Storage: -20°C to +60°C / -4°F to +140°F |                                    |                                    |
| <b>Connectivity and System Compatibility</b> |   |                                    |                                    |
| Interface:                                   | — SCSI-3 LVD/SE —   |                                    |                                    |
| SCSI-connectors:                             | Dual daisy-chained 68-pin (separate connectors per drive and robotics are optional) |                                    |                                    |
| SCSI IDs                                     | Separate SCSI IDs for each drive and for the robotics                               |                                    |                                    |
| Type of drive:                               | Standard Tandberg SLR tape drive  |                                    |                                    |

\*Assuming 2:1 data compression.

## TANDBERG SLR LIBRARY CONFIGURATIONS

| SLR Library               | Capacity |                         | Transfer Rate (MB/s) |                           | Typical Performance | File Access Time | Cartridge Load Time <sup>2</sup> |
|---------------------------|----------|-------------------------|----------------------|---------------------------|---------------------|------------------|----------------------------------|
|                           | Native   | Compressed <sup>1</sup> | Native               | Compressed <sup>1,3</sup> |                     |                  |                                  |
| <b>1210</b>               |          |                         |                      |                           |                     |                  |                                  |
| <b>10 Data Cartridges</b> |          |                         |                      |                           |                     |                  |                                  |
| +SLR50                    | 250GB    | 500GB                   | 4.0                  | 8.0                       | 29GB <60 min        | <65 sec          | 8.4 sec                          |
| +SLR100                   | 500GB    | 1000GB                  | 10.0                 | 20.0                      | 72GB <60 min        | <89 sec          | 8.4 sec                          |
| <b>1420</b>               |          |                         |                      |                           |                     |                  |                                  |
| <b>20 Data Cartridges</b> |          |                         |                      |                           |                     |                  |                                  |
| +SLR50                    | 500GB    | 1000GB                  | 8.0                  | 16.0                      | 58GB <60 min        | <65 sec          | 9.9 sec                          |
| +SLR100                   | 1000GB   | 2000GB                  | 20.0                 | 40.0                      | 144GB <60 min       | <89 sec          | 9.9 sec                          |
| <b>1440</b>               |          |                         |                      |                           |                     |                  |                                  |
| <b>40 Data Cartridges</b> |          |                         |                      |                           |                     |                  |                                  |
| +SLR50                    | 1000GB   | 2000GB                  | 8.0                  | 16.0                      | 58GB <60 min        | <65 sec          | 9.9 sec                          |
| +SLR100                   | 2000GB   | 4000GB                  | 20.0                 | 40.0                      | 144GB <60 min       | <89 sec          | 9.9 sec                          |

<sup>1</sup>Assuming 2:1 data compression. <sup>2</sup>Pick & Place Average. <sup>3</sup>Maximum drives installed.

## TANDBERG SLR MEDIA OPTIONS

### TANDBERG DATA MEDIA SELECTION CHART

| Product  | Capacity  | Imation (3M)          |
|--|-----------|-----------------------|
| <b>Media Compatible with Tandberg SLR Library Products</b> |           |                       |
| SLR50 (MLR3)   | 25/50*GB  | SLR 50GB <sup>1</sup> |
| SLR100   | 50/100*GB | SLRtape100            |

<sup>1</sup>25/50GB capacity, formerly MLR3 50GB media.  
\*Assuming 2:1 data compression.



**LIBRARY ROBOTICS**



**TANDBERG SLR100 INTERNAL TAPE DRIVE**

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