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TELEDYNE CONTROLS
A Teledyne Technologies Company

PDL-615/MSD
Portable Data Loader
Mass Storage Device

ETHERNET

LoadStar®
LIBRARY

LoadStar® and LSE

MASS STORAGE

One Loader for the Entire Fleet

With over 2500 units in service, the ARINC 615 Portable Data Loader Mass Storage Device (PDL-615/MSD) is considered the industry standard ARINC 615 loader. Used by over 150 airlines and operators worldwide, Teledyne's PDL-615/MSD can load avionics systems on virtually all commercial, regional and business aircraft to support the ARINC 615 data loading needs of any airline, for their entire fleet.

Integrated Mass Storage Device (MSD)

Unlike traditional PDLs, the PDL-615/MSD is equipped with an internal solid state Mass Storage Device (MSD) that can store an entire library of Software Parts (SPs). The PDL can load avionics LRUs with parts from the MSD library or from a floppy disk.

LoadStar® Connectivity

Teledyne offers two options for the PDL-615/MSD's remote software interface: LoadStar® or Loadstar® Server Enterprise (LSE). These configuration management software packages enable operators to configure SPs from their desktop. The Software Parts can be configured by LRU (Line Replaceable Unit), aircraft type and customer part number for added control. The configured SPs are then distributed through an Ethernet link directly from the Loadstar or LSE application to the PDL-615/MSD's memory, enabling maintenance mechanics to perform multi-disk loading quickly and automatically. Electronic distribution eliminates the need for floppy disks, significantly reducing data loading efforts and ultimately aircraft turn around time.

KEY BENEFITS

- A common ARINC 615 data loading system for all aircraft types and equipment
- Loads avionics systems on all Boeing, Airbus, McDonnell Douglas, Fokker, Lockheed and other commercial, regional and business aircraft
- On-display indicator provides operator feedback for operational progress and status
- Comprehensive built-in test to self test the PDL's system functionality
- Faster loading of Software Parts (SPs) with the internal Mass Storage Device (MSD)

KEY FEATURES

- SPs loaded via floppy disks or directly from the internal MSD
- LSE and LoadStar software distributes SPs via Ethernet to the PDL's MSD
- Certified ARINC 615-3 data loading on over 100 avionics systems
- Backward-compatible with systems loaded by Quantex cassette tape loader using ARINC 603 protocol
- Downloads maintenance information
- Internal heaters for cold weather operation
- RS-232 serial bus interface for the L1011 FMS, Gull FMS, and Racal FM

PDL-615/MSD AIRCRAFT SYSTEM APPLICATIONS COMPATIBILITY MATRIX

AIRCRAFT /SYSTEM	ACARS	ACF/ACD	ADIRS	AIR SHOW	ATSU	CFDIU	CMC	DFDAU/ACMS /FDIMU	DMU	DISPLAY	ESC, PSC, PCC, HSC	FADEC	FMS/AFMC	FMU /PEGASUS	GPS	LTN 72/92	SATCOM	TCAS
FA300-600	•			•								•	•		•	•	•	•
A310	•		•	•								•	•		•		•	•
A319/320/321	•		•	•	•	•	•	•	•			•	•	•			•	•
A330/340	•		•	•		•	•	•	•			•	•	•			•	•
B717/MD10	•	•		•														•
B737	•		•	•			•	•	•	•		•	•				•	•
B747	•			•			•	•	•	•		•	•		•	•		•
B757	•			•				•		•		•	•	•			•	•
B767	•			•				•		•		•	•	•			•	•
DC8/9/10	•			•												•		•
E6												•						•
F50/60				•								•				•		•
F100				•								•				•		•
L1011	•			•								•				•		•
MD11	•			•		•	•	•	•	•	•	•	•	•	•		•	•
MD40 SERIES				•									•					•
MDS	•	•		•				•					•	•				•
RRJ								•										

PDL UPGRADES

Upgrade your PDL to enable MSD functionality. Applicable to all pre-MSD PDL p/n 30100 Rev A and Rev B as well as Litton LDL-4000 p/n 465130 (without mod level 7 and higher).

CHARACTERISTICS

- **Internal Mass Storage:** Capacity accommodates entire aircraft fleet
- **Connectors:** ARINC 615
- **Power Source:** 18-36 VDC or 115 VAC 50-4407Hz
- **Shock:** 6.0 11 msec 1/2 sinusoidal
- **Vibration:** DO-160 curve K
- **Environmental:** Per DO-160
- **Power Consumption:** 12 watts nominal, 45 watts during heating
- **Size & Weight:** 12" W x 9" D x 6" H / 304mm x 228mm x 152mm, 15 lbs / 6.8 kg

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