DATALOGGER® 7

FUSION JOINT DATA COLLECTION & ANALYSIS





STANDARD FEATURES

- Document fusion joint, operator and machine details including GPS locations
- Capture electrofusion, squeeze off techniques and pressure testing data
- 14+ hour battery capacity and a hot-swappable battery option
- IP68-rated rugged base tablet is waterproof, dust proof and shock proof
- Easy, simple-to-follow guided workflow
- Hard keys for easy navigation between applications
- Large, sunlight-readable 7” display with best-in-class outdoor visibility and clarity
- Automatic data backup to included SD card
- McElroy Optimized Cooling™ algorithm allows for more joints to be completed in less time

5 YEAR WARRANTY

Capture the most important data from your fusion jobsite–no matter how long the workday. The DataLogger ® 7 delivers increased battery life, automatic data backup, an updated Android operating system and more in a new, IP68-rated and MIL-STD-810 tested, rugged touchscreen tablet.

The DataLogger software helps to ensure that every joint was fused with the correct pressure and times according to supported standards by recording key parameters of the fusion process. Document heat soak times, heating pressure, open/close times, fusion time, fusion pressure, cool time along with jobsite details and operator information. A real-time graph gives immediate visual feedback regarding the integrity of each fusion joint. Joint records can be securely stored and analyzed online in the McElroy Vault™ - allowing quick and easy sorting, tagging and sharing of joint records by machine, joint, operator, device or job.

ADDITIONAL IMAGES







SEE SECOND PAGE FOR DETAILED SPECIFICATIONS

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DATALOGGER® 7

FUSION JOINT DATA COLLECTION & ANALYSIS

SPECIFICATIONS

MODELS

DLP0857712	DataLogger 7 - English, Spanish, German, and Russian

WEIGHTS

Machine	1.5 lbs. (0.7 Kg)

MACHINE DIMENSIONS

Machine Length	8.5" (215.4mm)
Machine Width	5.4" (137.2mm)
Machine Height	1.4" (34.5mm)

SUPPORTED STANDARDS

Data Logging	ASTM F3124
Fusion	The DataLogger supports all major fusion standards including ASTM, ISO, DVS, GIS, WIS, INSTA, DS/INF, and Profuse along with custom procedures containing select pipe manufacturers' specifications.

SCREEN

Active Viewing Area	7" (177.8 mm)
Resolution	WXGA (1280 x 800)
Touchscreen	Dragontrail ™ High Ion-Exchange (HIE ™)

PERFORMANCE

Battery	Removable Li-ion battery with 43.2 Whr and Internal 21.6 Whr battery providing hot-swap capability
Expandable Storage	User-accessible MicroSDXC card slot
Operating System	Android 11
Operating Temperature	-4 F to 122 F (-20 C to 50 C)
Processor	Qualcomm ® Snapdragon ™ Octa-core Kyro ™ 260

PERFORMANCE (CONTINUED)

RAM	6 GB LPDDR4x
Protection	IP68 waterproof, dustproof and shockproof (multiple drops from 4' (1.2 - 1.5 m) onto concrete), designed to meet MIL-STD-810G test procedures
Storage Capacity	64 GB or 128 GB flash storage options
Storage Temperature	-22 F to 158 F (-30 C to 70 C)

CONNECTIVITY

Bluetooth	Long-range Bluetooth ® Smart Ready wireless technology, v5.0 + EDR, Class 1.5, BLE support
Cellular Data	4G LTE multi-carrier capable
Wi-Fi	802.11 a/b/g/n/ac, 2.4 GHz and 5 GHz, 2x2 MIMO

CAMERA

Front Camera	2 MP
Rear Camera	16 MP with LED illumination

INCLUDES

Tablet, transducer, machine mount, micro SD card, removable battery, screen protector, carrying case and Quick Start Guide.

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