



Albér™ Universal Xplorer Telecom Monitor (UXTM)

Firmware Release Notes

VERSION 1.31.1

Release Notes Section Outline

- 1 Updates for This Release (Version 1.31.1)
- 2 Version 1.28.14 Update Information
- 3 Version 1.25.00 Update Information
- 4 Version 1.24.05 (Controlled Release) Update Information
- 5 Version 1.23 Update Information
- 6 Version 1.22 Update Information
- 7 Version 1.21 Update Information
- 8 Version 1.11 Update Information

1 Updates for This Release (Version 1.31.1)

- Resistance test scheduling is now supported in day of the week, day of the month and absolute day
- Added a resistance test start time trigger
- Added support for individual high cell resistance thresholds
- Clear “set as baseline” flag after each resistance test.

2 Version 1.28.14 Update Information

- Users now have the ability to set date and time using MODBUS.
- Issues with long discharges data corruption are resolved.
- During discharge, delete commands are ignored, the resistance test is disabled and the scanning of reading is always enabled.
- After the resistance test, the ripple current alarm is disabled for one hour.
- System will reset all existing alarms before resistance test to prevent false alarms after test.

3 Version 1.25.00 Update Information

- An intercell channel selection is available for the current measurement.
- Support is available for internal resistance correlation and discharge current correlation factor.

4 Version 1.24.05 (Controlled Release) Update Information

- Factory default button now clears internal resistance baselines values.
- Added test fixture configuration 1X24X2 (debugger software only).

- Fixed resistance problem with continuous restarting due to RTC initialization.
- Alarm state is now checked when alarm thresholds are changed or enabled.
- Only major alarms will activate device contact relays.
- Discharge current alarm is only checked when current is negative.
- Start-up report now contains baseline date and time.
- Added ability to clear the normalization timers.
- Second intercell is now used to determine string current.
- High discharge alarm is now cleared after discharge.

5 Version 1.23 Update Information

- Calibration constants are now prevented from getting erased occasionally.
- Added check for high test current during resistance test for safety measures.
- Reboots are prevented if corrupt discharge data is encountered.
- Improved capturing of discharge data to avoid corruption.

6 Version 1.22 Update Information

- Added support for two sets of alarms: Major (Warning) and Minor (Caution).
- Added control to disable, enable and latch both major and minor alarms.
- Ambient temperature now captured at beginning and ending of discharge.
- Capture time stamps added to reports for resistance tests, voltage and temperature.
- Fixed float alarm threshold resetting issue.

7 Version 1.21 Update Information

- Added an extra 10ms before performing a string current reading; the extra time allows the signal channel to settle down [internal reference number 2141].
- Added an extra 10ms time delay for response of MODBUS over RS-485; the extra time delay allows communications with third party controllers [internal reference number 2140].

8 Version 1.11 Update Information

- Added a new feature to report string, float and ripple current readings using MODBUS protocol on an RS-485 port [internal reference number 2203].
- Added a new feature to report digital inputs using MODBUS protocol over an RS-485 port [internal reference number 2204].
- Added report intertier and charger cable thresholds using MODBUS protocol over an RS-485 port [internal reference number 2205].
- Fixed the issue with the network card setup (includes IP address, gateway, subnet and port number) [internal reference number 2220].