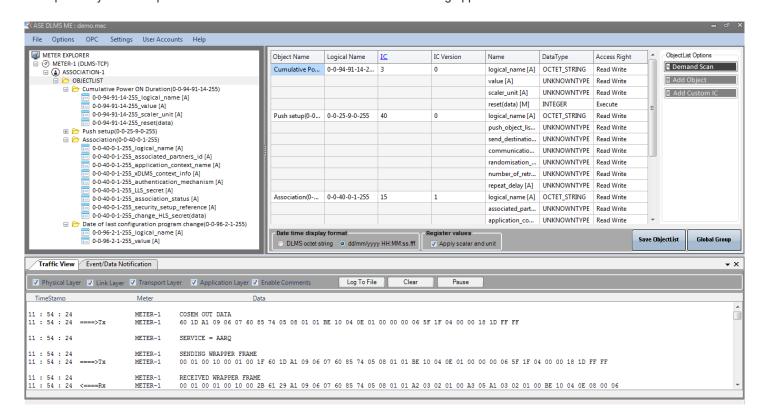




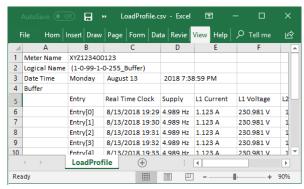


OVERVIEW

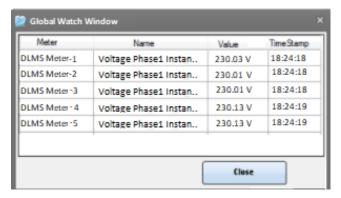
ASE DLMS Meter Explorer is meter communication software compliant with the IEC 62056 standard of the DLMS/COSEM specification and DLMS UA Colored books (Blue book and Green book). Meter Explorer is widely used for testing DLMS meters and for demonstrating interoperability. Meter Explorer is an ideal fit for small scale DLMS meter reading applications.



Object list



Load Profile



Global Watch Window

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+	Supply Supply	v freauency	Instantaneous value	T0(1-0-14-7	-0-2

+	L1 Current	Instantaneous value	HI01/1-0	1-21-7-0	1-2551
+	L i Current	instantaneous value	HIUICI-C	J-5 I-/-L	J-2331

- Er voltage installations value 11[0](1 0 52 7 0 255
- ★ L2 Current Instantaneous value H[0](1-0-51-7-0-255)

- L3 Voltage Instantaneous value H[0](1-0-72-7-0-255)

Name	Value	Time Stamp	DataType	Access Right	^
1-0-14-7-0-255_value [A]	49.89 Hz	19:08:12	DOUBLE_LONG	Read Only	
1-0-31-7-0-255_value [A]	1.123 A	19:08:12	DOUBLE_LONG	Read Only	
1-0-32-7-0-255_value [A]	230.981 V	19:08:12	DOUBLE_LONG	Read Only	
1-0-51-7-0-255_value [A]	0 A	19:08:12	DOUBLE_LONG	Read Only	
1-0-52-7-0-255_value [A]	231.012 V	19:08:12	DOUBLE_LONG	Read Only	
1-0-71-7-0-255_value [A]	1.986 A	19:08:12	DOUBLE_LONG	Read Only	
1-0-72-7-0-255 value [A]	230.782 V	19:08:12	DOUBLE LONG	Read Only	~

Group of Instantaneous Data

APPLICATIONS

DLMS meter testing

Meter Explorer allows reading and writing meter data and configuration objects thereby validating meter's accuracy and functional conformance to companion or utility specifications. Detailed communication analysis can be performed using the traffic window of Meter Explorer. Protocol traffic can be saved to TXT file which can be used by testers or meter manufacturers for troubleshooting.

Automation

One ore more object attributes can be added to a group and polling rate can be configured for each group. Meter Explorer will automatically poll all the items in the group and save the polled data to *.txt or *.csv file which can be used by other application or person.

KEY FEATURES

- · Communication types
 - RS232/RS485 (Direct HDLC)
 - Optical (Direct HDLC / Mode E)
 - Ethernet (IPv4 / IPv6)
 - Cellular modem (IPv4 / IPv6)
 - PLC/RF modems supporting IPv4 / IPv6
 - HDLC serial over IP
- · Application Context
 - LN without ciphering
 - SN without ciphering
 - LN with ciphering (security suite 0, 1 and 2)
- Authentication
 - Lowest
 - Low (LLS)
 - High (HLS)

- Conformance block
 - Get, Get with block transfer
 - Set, Set with block transfer
 - Action
 - General Protection
 - General Block Transfer
 - Data Notification
 - Read
 - Write
 - Selective access by range and by entry
- · OBIS codes
 - Support all range of OBIS codes (Standard, Manufacturer, Country, Utility)
 - Automatically resolve OBIS code to more understandable names
- Supports data notification (push) and automatic save push data to CSV file
- · Ciphering, key transfer with/without key wrap
- Firmware update using image transfer
- · Supports object list download from meter and save as CSV file
- · Profile buffer automatic save as CSV file
- Manual (on-demand) as well as automatic (schedule-based) reading from meter
- Traffic view and save as text file for communication analysis

