

DANEO 400

## What's New in Version 4.30

Compared to Version 4.22



## 1. More Flexibility with Sampled Values Configurations

Now DANE0 400 supports relevant features of IEC 61869-9 and further additions to IEC 61850-9-2 Ed2.1:

- Sampled Values streams with configurable DataSets
- Frequently used optional fields:
  - GmIdentity** – grandmaster identity of PTP clock source
  - SmpRate** – sampling rate in unit of SmpMod
  - SmpMod** – unit of SmpRate value

SV SIPMod2MU203					
Control block attributes					
Control block reference	TEMPLATMod2_MU2/LLN0\$MS\$MSVCB03				
Destination MAC address	01-0C-CD-04-00-01				
Application ID	16386 (0x4002)				
SV ID	SIPMod2MU203				
Sample rate	4800				
Sample mode	Samples per second				
noASDU	2				
DataSet reference	TEMPLATMod2_MU2/LLN0\$PhsMeas3				
VLAN ID	0				
VLAN priority	4				
Configuration revision	10001				
Optional fields	SmpRate, SmpMode, GmIdentity				
Packet information					
Source MAC address	20-B7-C0-00-5D-9F				
Simulation	False				
Synchronization status	Globally synchronized (2)				
Grandmaster clock ID	20-B7-C0-FF-FE-00-2B-59				
Number of DataSet entries	6				
Statistics					
DataSet - TEMPLATMod2_MU2/LLN0\$PhsMeas3					
Name	Type	Value	Ports		
DA TVTR1.VolSv.instMag.i	Integer	63501	A	B	ETH
DA TVTR1.VolSv.q	Quality	Good	A	B	ETH
DA TVTR2.VolSv.instMag.i	Integer	63501	A	B	ETH
DA TVTR2.VolSv.q	Quality	Good	A	B	ETH
DA TVTR3.VolSv.instMag.i	Integer	63501	A	B	ETH
DA TVTR3.VolSv.q	Quality	Good	A	B	ETH

The new Sampled Values configurations are supported in all relevant functions:

- Observe optional fields and DataSet values.
- Verify optional fields and the DataSet structure against an imported SCL configuration.
- Sniff for Sampled Values stream orphans.
- Measure and record any analog signals in the dataset.

## 2. SCL Import Improvements

- Performance improvements have reduced the time of an SCL import significantly.
- A new progress indication is shown during importing.
- A bug that sometimes occurred when importing large SCL files got fixed.

### **3. PTP Sniffer Bug Fix**

DANEO Control does not show packet errors for PTP clocks with Power Profile v2 (IEEE C37.238-2017) in PTP sniffer any longer. The bug causing these errors got fixed.

### **4. DANEO 400 Web Interface**

The DANEO 400 web interface now also supports observing Sampled Values streams with configurable datasets and optional fields.

For more information, additional literature,  
and detailed contact information of our  
worldwide offices please visit our website.

[www.omicronenergy.com](http://www.omicronenergy.com)

Subject to change without notice.