

APPLICATION SHEET ASYMMETRICAL DATA LINES



Industrial process equipment has often been connected to controllers using RS232, RS485 or similar communication interfaces. These are unbalanced communication lines with low communication speeds up to 1 Mb/s that can only be used for relatively short distance communication due to their susceptibility to disturbance signals. CE testing using the combination wave/surge and ringwave impulses is required for products having this interface type. In special applications the damped oscillatory wave (DOW) will also be used.

- Test types
- Combination Wave
- 100 kHz Ringwave
- 100kHz and 1MHz Damped Oscillatory
 Waves
- Standards
- IEC 61000-4-5
- > IEC 61000-4-12
- > IEC 61000-4-18



Manual CDN for surge (CWG) and 100 kHz ringwave testing on 4 asymmetrical data lines. Differential and common mode coupling.



Compact generator for EFT/Burst, SURGE, 100 kHz Ringwave and 10/700 impulses up to 8KV. Integrated 16 A CDN. Extend with ESD, Dips/Interrupts and Common Mode.



Compact generator for EFT/Burst and SURGE up to 5KV. Integrated 16 A CDN. Extend with ESD, Dips/Interrupts and Common Mode.

MORE OPTIONS & COMFORT

Specially for use with the Damped Oscillatory Wave (DOW), up to 8 asymmetrical lines can be tested with CDN-DOW-DATA-LF. This meets the test requirements for protection relays mounted in electricity sub stations.



TEMA3000 - SOFTWARE TEST SUITE

The ideal solution for our latest test generators.

Create and manage Tests and Sequences. Integrate DSO measurements in professional reports. Import and export Test Setups and Sequences. Smart test functions and predefined Test Library.



APPLICATION