Waveform Data File Information Sheet

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| Filename | 1. The filename format (X\_F\_T\_H.txt) respects the following code:    1. sensors X = rog1, rog2, rog3 and shunt;    2. frequency F = 50Hz, 150Hz, 250Hz, 350Hz, 550Hz, 650Hz, 850Hz, 1250Hz, 2500Hz and sinc;    3. temperature T = 20C, 40C, -5C, 20Cend    4. Humidity H = 30% |
| Test description | 1. A temperature cycle accuracy test was performed according to IEC 61869–6 during which the tested temperatures were in the following order:    1. 20 °C    2. 40 °C    3. -5 °C    4. 20 °C 2. For each tested temperature, the following current signals were tested:    1. single-tone sinusoidal waveforms  |  |  | | --- | --- | | Hz | IRMS | | 50 | 100 | | 150 | 50 | | 250 | 50 | | 350 | 50 | | 550 | 50 | | 650 | 50 | | 850 | 50 | | 1250 | 36 | | 2500 | 36 |  * 1. sinc signal of 20 ms  1. For all tested waveforms, the acquisition window is 1 s. 2. Three repeated measurements are collected in each .txt files. 3. NI 9238 acquires the samples. 4. The sampling frequency is equal to 50 kHz. |
| Number of columns of data | 1, in the following format:   1. samples [V]. |
| Sensors | 1. Rog1: Y-FCT-350 (Meatrol electrical) 2. Rog2: Flex-RMG120 (Circutor) 3. Rog3: FLEXIV250.100.AC01.2MS (CIE electronics 4. Rog4: MFC190 (Algodue elettronica) |