

## Fluke Norma 4000 and 5000 Additional Commands for V1.5 Firmware

### Remote Control Commands (new parameters / commands in **bold**):

CALCulate:TRANSform:FREQuency:MODE      FFT | DFT | **STD**  
 CALCulate:TRANSform:FREQuency:**CYCLes**      4 | 6 | 8 | 10 | 12  
 CALCulate:TRANSform:FREQuency:**GRouping**  
    **COMPonent** | **HARMonic** | **HGRoup** | **HSGRoup** | **ISGRoup** | **SGRoup**

Each harmonic measurement, which is to be read out via interface, needs to be triggered explicitly (as before):

CALCulate:TRANSform:FREQuency ONCE

The format for data readout by the commands

CALCulate:DATA:PREamble?    and  
 CALCulate:DATA?

is unchanged; in mode STD the header returns the (same) synchronization frequency for all variables.

Command for readout of THDs from harmonics calculation:

CALCulate:DATA:**THD?**                    => returns a list of THD values for every function

*For further details see updated **Remote Control Users Guide**.*