

MFT B-Series Meter Configuration Check List

When installing the MFT B-Series meter a list of items needs to be checked and/or configured before the meter can be operational. The configuration can be performed using the local LCD/keypad or a PC/laptop connected to the meter via the USB interface. Alternatively, the user can run KzComm, a Windows program provided by Kurz Instruments, which will guide the user through the configuration checklist and then transfer the data to the meter via the USB or Modbus interface. The configuration items to be checked are as follows (in no particular order):

- Does calibration range match your requirements?
- Was it calibrated or correlated for your gas type?
- Set the Meter Tag Name for your process
- Does the flow area in the meter match the process gas duct area?
- Is meter damping or filtering needed for your process?
- Does the analog output range need to be adjusted for your process? And does it match the range specified on the equipment connected to the flow meter (your PLC)?
- Are the flow units the same at the PLC and flow meter (metric vs. English,), velocity vs. volumetric or mass rate (SMPS, SFPM, SCFM, SCMM, PPH, KGH, etc.)
- Does the gas molecular weight match your gas? This is only needed if the output units are mass rate.
- Are you using Modbus to communicate with the flow meter? Does it have the correct protocol, baud rate, and device address?
- Has the sensor insertion depth been entered to compute the SBCF?
- Do you need a field calibration (insertion meters)? Are you going to use a “theoretical” duct correction factor?
- EPA drift check setup?
- DO or alarm set points?
- Flow controller setup?
- Built-in Totalizer setup or pulsed outputs?
- Purge sensor control setup?
- Did you upload a configuration file before you made any changes?
- Did you upload a configuration file after you made any changes?