



SDM WT – QUICK START GUIDE

1

Check and unpack shipment

1. Check if the box is complete and not damaged. Inside the box:
 - a. The Slurry Density Meter (SDM WT)
 - b. Wafer, Spool piece or Weldolet
 - c. Manual



youtu.be/S3CLrWe65Ik

2

Install the SDM WT

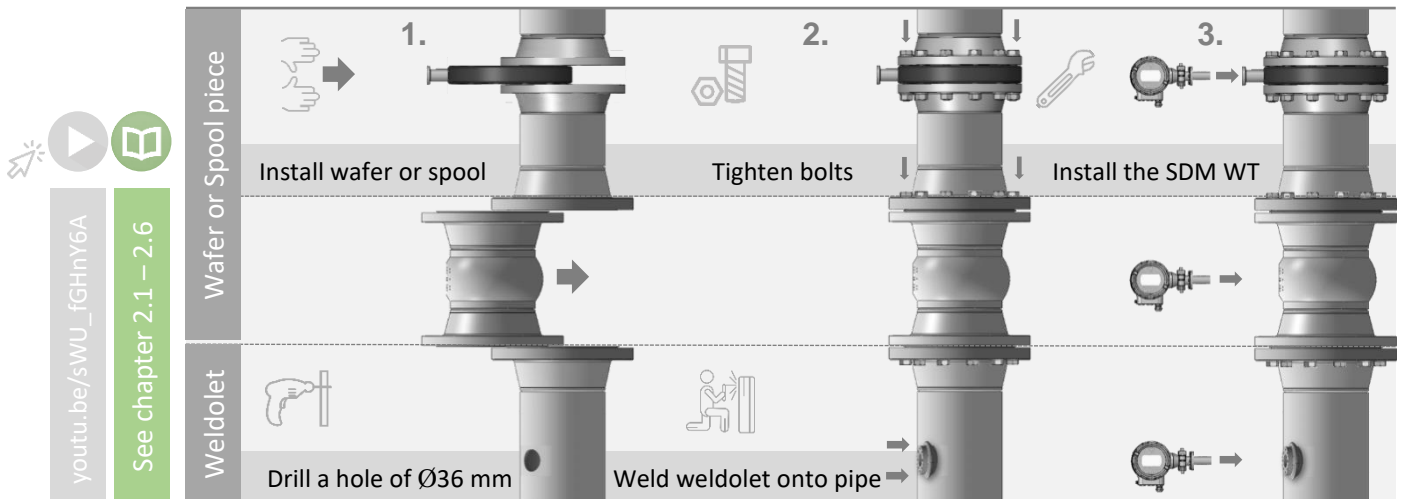
Follow the three installation steps shown in the picture below.



Note: Tighten the bolts following the manual guidelines, check which bolt torque values are needed. First mount the wafer, spool or weldolet and then the SDM WT.



Check: Weldolet and sensor must be installed flush mounted with the surface inside the pipe. The inner pipe diameter must be equal to the inner diameter of the wafer/spool piece. Vertical pipe installation only if the flow goes in upstream direction. Use the rubber O-ring when mounting the SDM WT. This is important for proper sealing.



youtu.be/swu_fGHnY6A
See chapter 2.1 – 2.6

CAUTION: Horizontal pipe installation must be at 3 or 9 o'clock

3

Make electrical connection

1. Connect protective earth cable (see image below)
2. Connect 24V and HART/ 4...20 mA



youtu.be/ouDmdL-AJWw
Chapter 2.7



Unscrew the back lid to see the SDM WT's rear view as shown on the picture above

CAUTION: Do not connect 220V to the SDM WT



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4

Turn on the SDM WT and wait 4 hours to warm-up the electronics

IMPORTANT NOTE

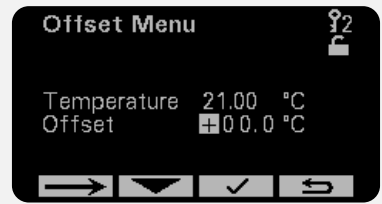
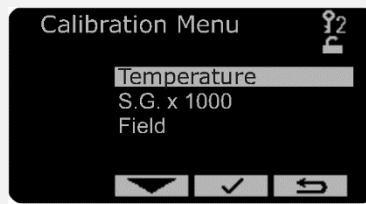
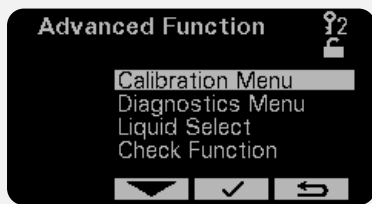
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5

Temperature setting

SDM WT interface: Go to Main Menu → Advanced Function → Enter access code 1802 → Go to: Calibration menu → Temperature → change temperature with offset function

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Chapter 5.1.1.1



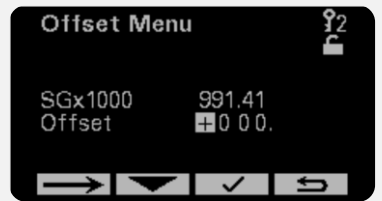
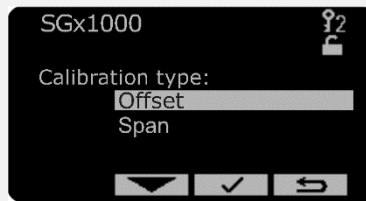
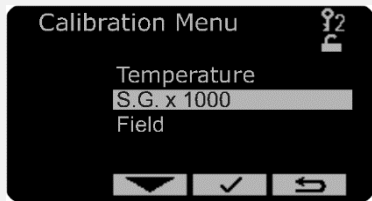
CAUTION: The set temperature must be equal to the average process temperature

6

Water calibration

1. Pump clear liquid (e.g. water)
2. SDM WT should read value of clear liquid (e.g. water = 1.000 S.G., sea water ≈ 1.020 S.G.)
3. If the shown value is incorrect. Go to: Calibration menu → S.G. x 1000 → Offset → Adjust the value of S.G. x 1000 by using the offset (e.g. 991.41 to 1.000 S.G.)

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Chapter 5.1.2

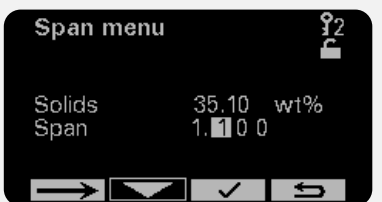
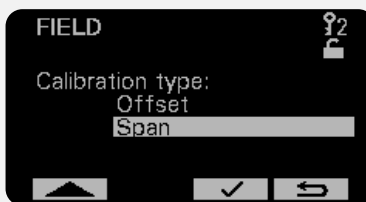
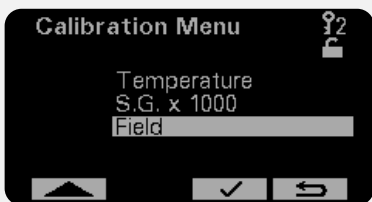


7

Slurry calibration

1. Pump the process slurry
2. Use a reference value to verify if the shown wt% solids value of the SDM WT is right.
3. If the value is incorrect. Go to: Calibration menu → Field → Span → use span-factor to change the wt% solids value until it reaches the reference value. Calibration done!

Chapter 5.1.3



The SDM WT is now installed, fully calibrated and ready for use! 👍💡

Please always check the SDM WT manual for the complete details and instructions