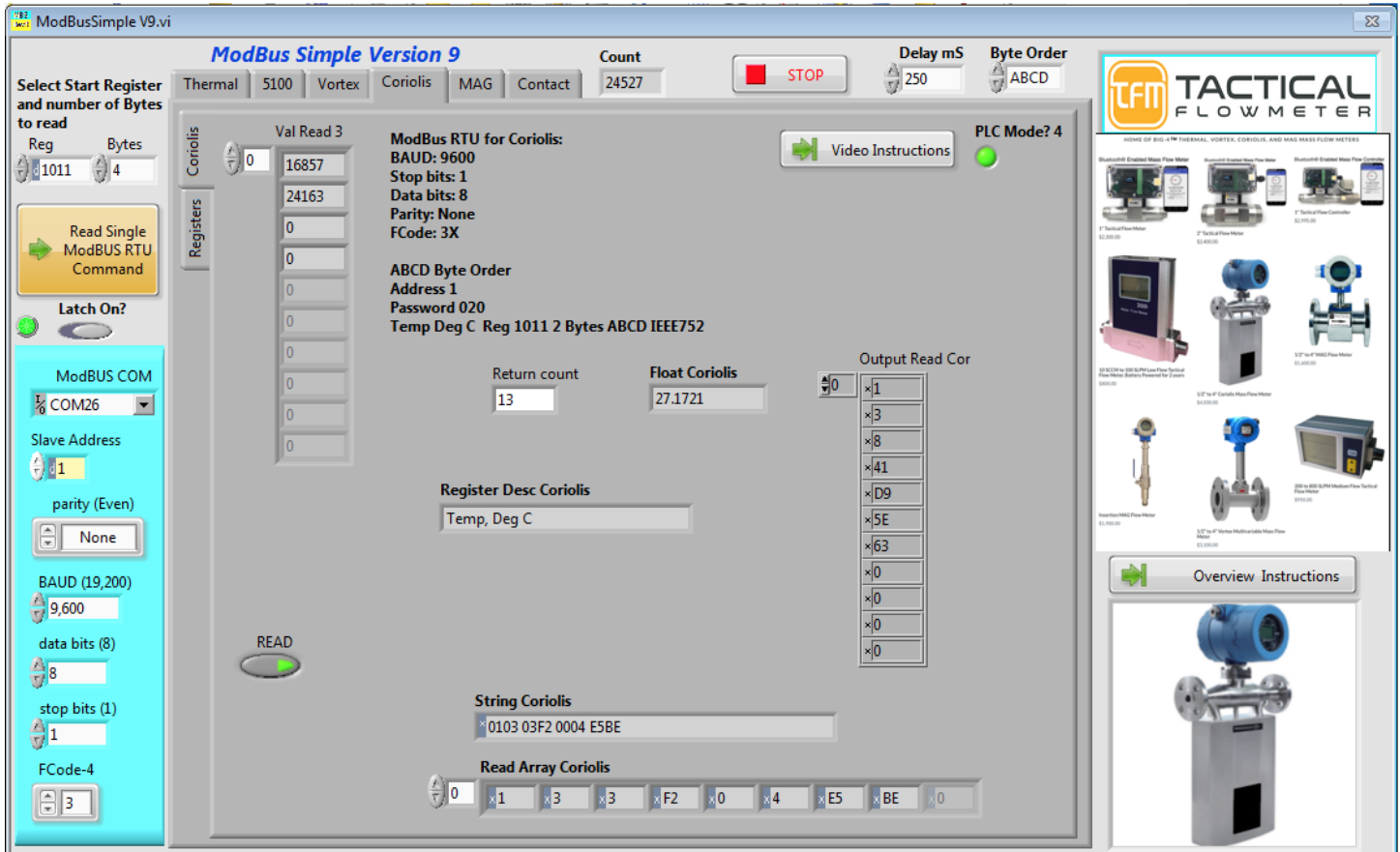


## Coriolis Quick User Manual

### ModBus RTU Registers

Register	Address	Definition	Description	Type
41001	0x03E8 / 1000	Mass Flow Rate	Range: 0 - full range	IEEE752 ABCD
41003	0x03EA / 1002	Total Mass Flow	Range: 0-4000000	IEEE752 ABCD
41005	0x03EC / 1004	Instant Volume	Range: 0 - full range	IEEE752 ABCD
41007	0x03EE / 1006	Total Volume	Range: 0-4000000	IEEE752 ABCD
41009	0x03F0 / 1008	Density	Density lower limit to Density Upper limit	IEEE752 ABCD
41011	0x03F2 / 1010	Temperature	Range: -50 to 200°C	IEEE752 ABCD
41013	0x03F4 / 1012	Subject A Percentage	Range :0-100%	IEEE752 ABCD
41015	0x03F6 / 1014	Sensor Resonant Frequency	80-150 Hz Related to Sensor	IEEE752 ABCD



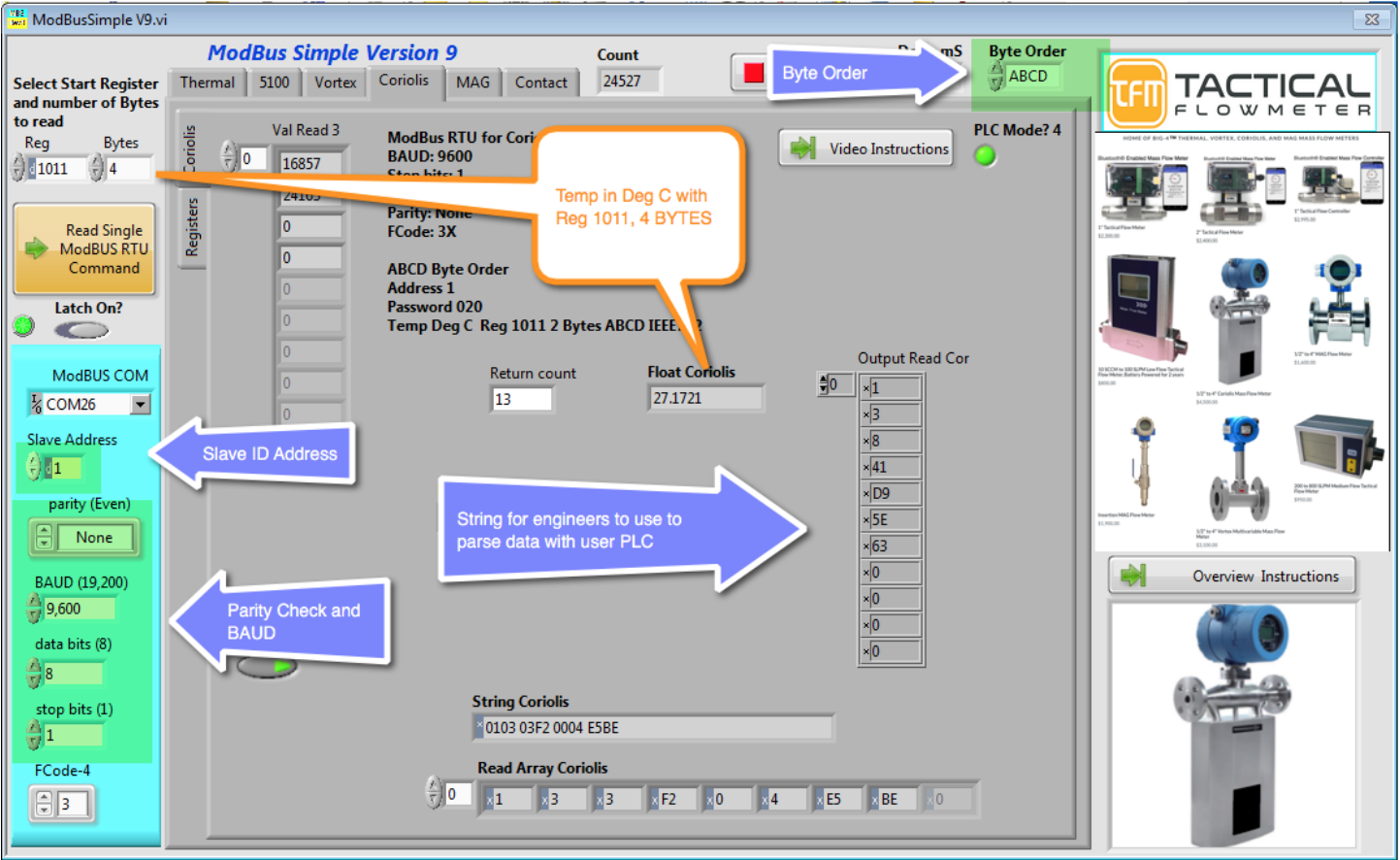
The screenshot shows the ModBus Simple V9.0 software interface. The main window is titled "ModBus Simple Version 9" and displays configuration for a Coriolis flow meter. The "Registers" tab is active, showing a list of registers with values. The "Registers" list includes: 0 (16857), 1 (24163), 2 (0), 3 (0), 4 (0), 5 (0), 6 (0), 7 (0), 8 (0), 9 (0), 10 (0), 11 (0), 12 (0), 13 (0), 14 (0), 15 (0).

Configuration details for ModBus RTU for Coriolis:

- BAUD: 9600
- Stop bits: 1
- Data bits: 8
- Parity: None
- FCode: 3X
- ABCD Byte Order: Address 1
- Password: 020
- Temp Deg C: Reg 1011 2 Bytes ABCD IEEE752

Other settings include: Delay mS: 250, Byte Order: ABCD, PLC Mode? 4, Return count: 13, Float Coriolis: 27.1721, Output Read Cor: x1, x3, x8, x41, xD9, x5E, x63, x0, x0, x0, x0.

The interface also features a "Read Single ModBUS RTU Command" button, a "Latch On?" button, and a "READ" button. A sidebar on the right displays various Coriolis flow meter models and an "Overview Instructions" button.



The screenshot shows the ModBusSimple V9.vi software interface. Key elements and annotations include:

- Top Bar:** "ModBus Simple Version 9", "Count 24527", and "Byte Order" dropdown set to "ABCD".
- Left Panel:** "Select Start Register and number of Bytes to read" with "Reg 1011" and "Bytes 4". Below it are "Read Single ModBUS RTU Command", "Latch On?", "ModBUS COM" (COM26), "Slave Address" (1), "parity (Even)" (None), "BAUD (19,200)" (9,600), "data bits (8)" (8), "stop bits (1)" (1), and "FCODE-4" (3).
- Registers:** A table showing register values. An annotation points to register 1011 with the text: "Temp in Deg C with Reg 1011, 4 BYTES".
- Configuration:** "ModBus RTU for Coriolis", "BAUD: 9600", "Parity: None", "FCODE: 3X", "ABCD Byte Order", "Address 1", "Password 020", "Temp Deg C Reg 1011 2 Bytes ABCD IEEE?".
- Output Read Cor:** A list of scaling factors (x1, x3, x8, x41, x5E, x63, x0, x0, x0, x0).
- String Coriolis:** A text field containing "0103 03F2 0004 E5BE".
- Read Array Coriolis:** A row of buttons for reading array elements (x1, x3, x3, xF2, x0, x4, xE5, xBE, x0).
- Right Panel:** "TACTICAL FLOW METER" logo, product images, and "Overview Instructions" button.
- Annotations:**
  - Blue arrow pointing to "Byte Order" dropdown: "Byte Order"
  - Blue arrow pointing to "Slave Address": "Slave ID Address"
  - Blue arrow pointing to "Parity (Even)": "Parity Check and BAUD"
  - Large blue arrow pointing right: "String for engineers to use to parse data with user PLC"

Website: <https://www.tacticalflowmeter.com/products/coriolis-mass-flow-meter>