Modbus Connection from Truline Recorder, Protocol RS485

Slave Configuration

1. Set the Truline Baud Rate to 19200 Typically.
2. Set the Truline TX Delay between 5 -10 ms, the value will depend on the cable lengths used between devices.
3. Connect the Truline to the X-Series Recorder, see diagram.

Master Configuration

4. Enter Recorder Setup menu and select the following buttons, Comms> Services> MODBUS> RS485, in the RS485 menu, enter the Settings, shown in the table to the left.
5. Press the back button and now select the Master option; from this menu. Enable master and select the first available Slave 1-32.
6. From the slave menu, Enable the slave and copy the Slave settings from the table opposite into the relevant fields.
7. Select the Transaction 1 field, Enable this field and copy the Transaction 1 settings, from the table opposite into the relevant fields, Note this will send back analogue 1 readings only, refer to Truline Modbus register map for other outputs.
8. To display analogue 1 readings from the Truline on the X-Series recorder, enter the SCV[*1,1,1] statement, into the Edit Maths field on a spare Pen. Note the * will be a number between 1-32 depending which Slave was enabled.