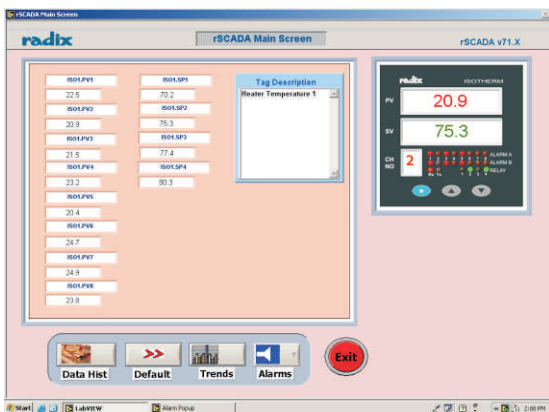
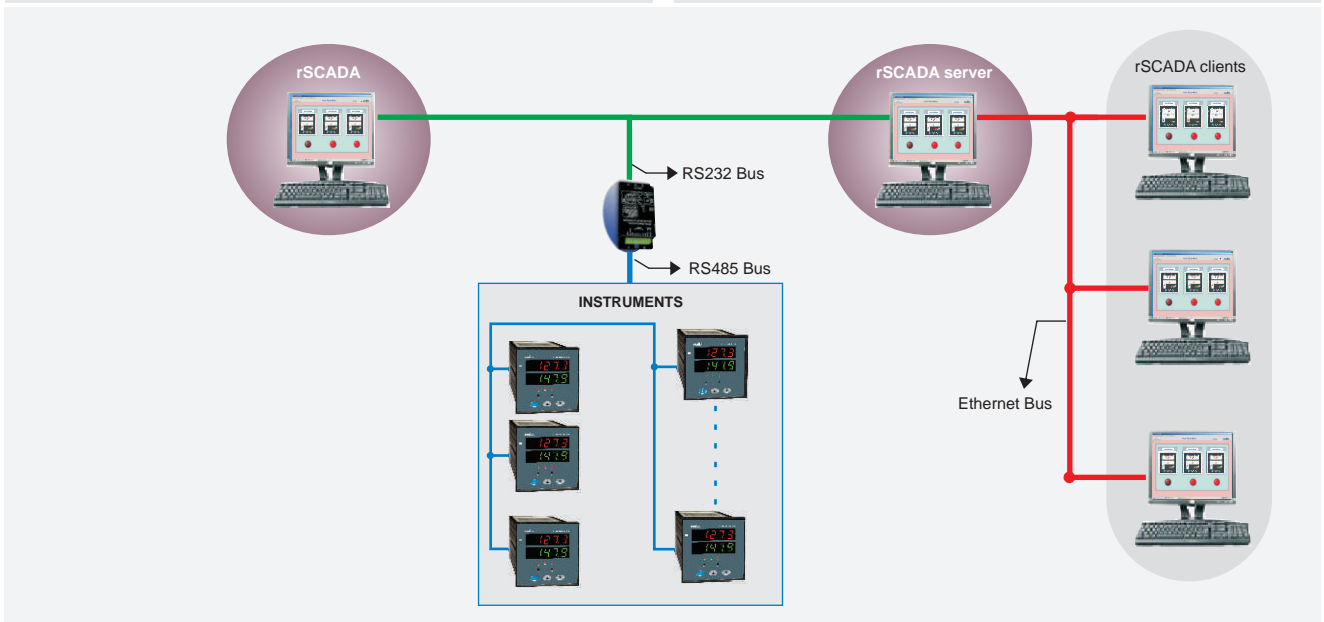




- T1, T2 & Flow inputs
- Specific Heat & Specific Gravity, user programmable
- 4~20 mA out for TR
- RS485 with MODBUS RTU
- 3 key, 5 level programming
- Tactile membrane keypad
- 85~265 V AC SMPS
- Powerful, flexible SCADA software available

rSCADA Basic

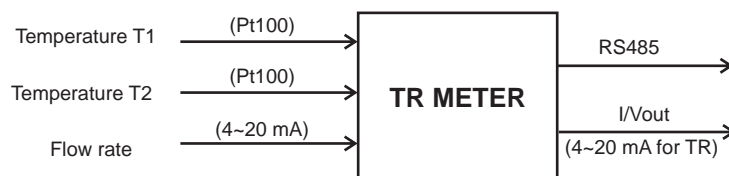
rSCADA with Ethernet



- Flexible trend facility - current and historical
- Alarm function
- Allows read (acquire data) & write (program setpoint, etc) operations
- Supports upto 32 or more instruments
- Capable of storing data upto 10 years
- Compatible with a variety of Radix instruments such as Scanner, PID & ONOFF controllers, Isolators
- Default screen selection
- 21CFR compliant version also available

TR VERSION 32.XX

Fig 1



SPECIFICATIONS All specifications at ambient of 25 °C, unless specified otherwise

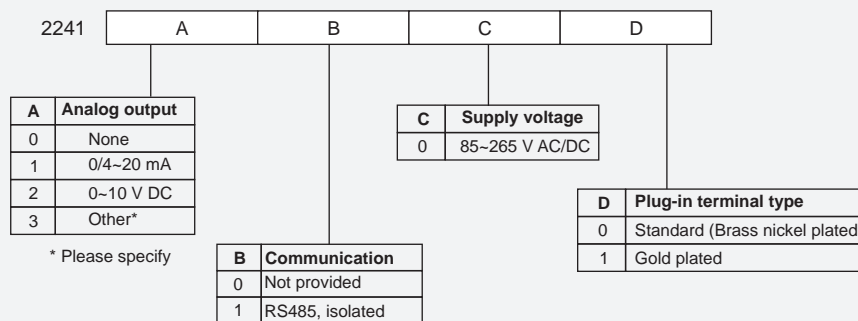
<p>INPUTS</p> <p>No. of inputs 3</p> <p>Input types Pt100, 3-wire or 4~20 mA* Input 1 Pt100, 3-wire or 4~20 mA* Input 2 Pt100, 3-wire or 4~20 mA* Input 3 4~20 mA from flow transmitter*</p> <p>Channel scan rate < 0.8 seconds for 8 channels</p> <p>Channel-to-channel isolation Suitable for low (leakage) voltages less than 3V AC</p> <p>Input protection</p> <p>RTD inputs ± 10 V DC max</p> <p>Current inputs Current limit < 30 mA, 28 V DC max</p> <p>Range limits See Table 1</p> <p>Accuracy See Table 1</p> <p>INDICATION</p> <p>Display type 0.56" (14.2 mm), 7 - segment LED</p> <p>TR Upper window, 4 ½ digit : red</p> <p>T1, T2, Flow (Scanned) Lower window, 4 ½ digit : green</p> <p>Status indication 3 red LEDs for displayed parameter 2 red LEDs for communication</p> <p>OUTPUTS</p> <p>Current output 4~20 mA / 0~20 mA, isolated from input and supply</p> <p>OR</p> <p>Voltage output 0-1 V / 0-10 V / user specified</p> <p>Maximum load for current output 500 ohms</p> <p>ISOLATION</p> <p>Mutual isolation between input/supply/current output/ RS485 port 1KV AC RMS/1 minute, 250 V AC RMS continuous</p> <p>COMMUNICATION</p> <p>Port RS485, isolated</p> <p>Baud rate User programmable, 4800 bps, 9600 bps, 19200 bps,</p>	<p>Protocol 38400 bps</p> <p>Slave ID Modbus RTU</p> <p>Minimum polling interval User programmable, 1~255</p> <p>Parameters 250 milliseconds</p> <p>Process variables Read only</p> <p>PROGRAMMABLE PARAMETERS</p> <p>Unit User programmable</p> <p>Resolution User programmable 0.0001, 0.001, 0.01, 0.1 or 1 for linear input, 0.1 or 1 for temperature</p> <p>Specific heat 0.50 ~ 1.00</p> <p>Specific gravity 0.75 ~ 2.00</p> <p>OTHER MAJOR PARAMETERS</p> <p>Level lock</p> <p>Display scan rate 1~99 seconds/channel</p> <p>SKIP channel Enable / disable</p> <p>Input bias -12.5 ~ 12.5</p> <p>CALIBRATION</p> <p>Zero & span Through front panel keys & display</p> <p>User calibration Sensor span and sensor zero</p> <p>OTHER</p> <p>Keypad Membrane, tactile, 3 keys</p> <p>Memory for programmed parameters Non-volatile, indefinite duration</p> <p>Field Connections Screw type connections in plug-in terminals</p> <p>Plug-in Terminal Type a) Standard (Brass nickel plated) b) Gold plated</p> <p>Supply voltage 85~265 V AC, 50/60 Hz</p> <p>Power consumption 5 watts</p> <p>Dimensions (in mm) 96 (H) x 96 (W) x 220 (D)</p> <p>Mounting In panel cutout of 92x92 mm</p> <p>Operating ambient temperature 0 - 50 °C</p> <p>Relative humidity Below 90%, non condensing</p>
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* Supply for 2-wire transmitter to be provided by user

TABLE 1

SENSOR / INPUT	RANGE LIMIT (°C / EU)		RANGE IN WHICH ACCURACY IS SPECIFIED		TYPICAL ACCURACY AT 30 °C (°C / EU)	WORST CASE ACCURACY (°C / EU)
	LOW SCALE	HIGH SCALE	LOW SCALE	HIGH SCALE		
Pt100, 3-wire	-200	850	-200	850	± 0.5	± 1.0
Linear (0~20 mA, 4~20 mA)	0	19999	0	19999	± 10 EU	± 50 EU

ORDERING INFORMATION



SALES INQUIRIES



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www.radix.co.in

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