

◆ Product Data ◆

for supervisory control and Data Acquisition

NBT



SM300 Series Master Low Cost Telemetry System

Requires No Programming, No Computer or Computer Expertise

Simply wire in RTUs, set DIP switches, power up, and the rest is automatic

Master to Remote via Radio or Wire Line

Internal Bell 202, 1200 baud Radio or leased Line modem

Real World I/O

Total I/O: 8 Digital In, 8 Digital Out, 2 Analog Out

Digital I/O: To 120 V AC/DC - Isolated Inputs, Relay Contact outputs

Analog: 0-5V or 4-20ma Floating (+/-200VDC)

LED Status Indicators

LEDs indicate Real Time digital, analog, communication with each site, and RTU run status

Multiple Protocols Available

Modbus, Mitsubishi, for any others contact NBT for details

Easy Upgrade to Larger Controller or SCADA Software

The SM300 System is compatible with all programmable controllers and SCADA software packages

NBT Offers a Complete Line of Windows Based Software

Real Time Monitor MMI or the Data Manager for historical reporting and graphing

(Shown Actual Size)



Pictured is a SM300 Master
See back page for more product
specifications.

• • • more to come!

Have a specific I/O requirement- Let us know!

Discount pricing for Resellers and OEM's

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		Master RTU SM300-M
RS232 Port Communications		
Total Ports		1
Wire line or 1200 Baud Radio (RS232) -		1
Serial RS232 -		1
Analog and Digital I/O		
Analog In		--
Analog Out		2
Digital In		8
Digital Out		8
Register Memory		
Internal Registers	Cycles & Runtimes Min. & Max.	
General Specifications		
Power Draw w/ Modem		150ma.
Operating Temperature		-20°C to 70°C
Relative Humidity		0-95%
Base I/O Case Dimension		5.5in.(H) x 2.5in. (W) x 3.5in.(D)

The SM300 System is a universal solution for low cost SCADA, PLC and DCS remote I/O, monitoring and control, Point-to-Point (or Multipoint) telemetry, and PC I/O.

The SM300 System is a stand alone telemetry system. Simply wire and power units. System automatically transmits and reproduces signals in their original format (e.g. 4-20ma at Remote is reproduced as 4-20ma at Master)

I/O Signal Telemetry with the SM300 System. Connect any remote stations to a programmable controller in another location. Use the SM300 System anywhere that you need to transmit signals over a distance. Water and waste systems, tank farms, pipelines, water mains, and sewer monitoring are some examples.

Simple upgrading to a full SCADA system. Convert an existing SM300 System into a SCADA system by adding a PC with operator workstation software. Solve telemetry requirements today, and upgrade to SCADA in the future as your needs change. (NBT offers a \$500 operator interface package)

These diagrams illustrate the maximum I/O capabilities of the SM300 Series Master and Remote System.

Note: Using the three or four site configuration remote I/O density can increase in special cases. E.g. If outputs to sites 1 & 3 are duplicates, and if outputs to 2 & 4 are duplicates. Technical support is available, call NBT for immediate assistance.

