



# SUPERIOR PROTOCOL CONVERTER

## Is your Scale Indicator Modbusä challenged?

Superior Technologies SPC™ helps you to put the pieces together.

Our Superior Protocol Converter (SPCä) interfaces to your existing scale digitizer and sends data in Modbus RTU format (in real time) to your Programmable Logic Controller (PLC)

The SPCä can simultaneously read multiple scale digitizers via serial interface and transmit the acquired data as a MODBUS MASTER to another SLAVE DEVICE.

The SPC interfaces to your existing Scale Digitizers\* and sends scale data in Modbus RTU format (in real time) to your PLC\*\*.

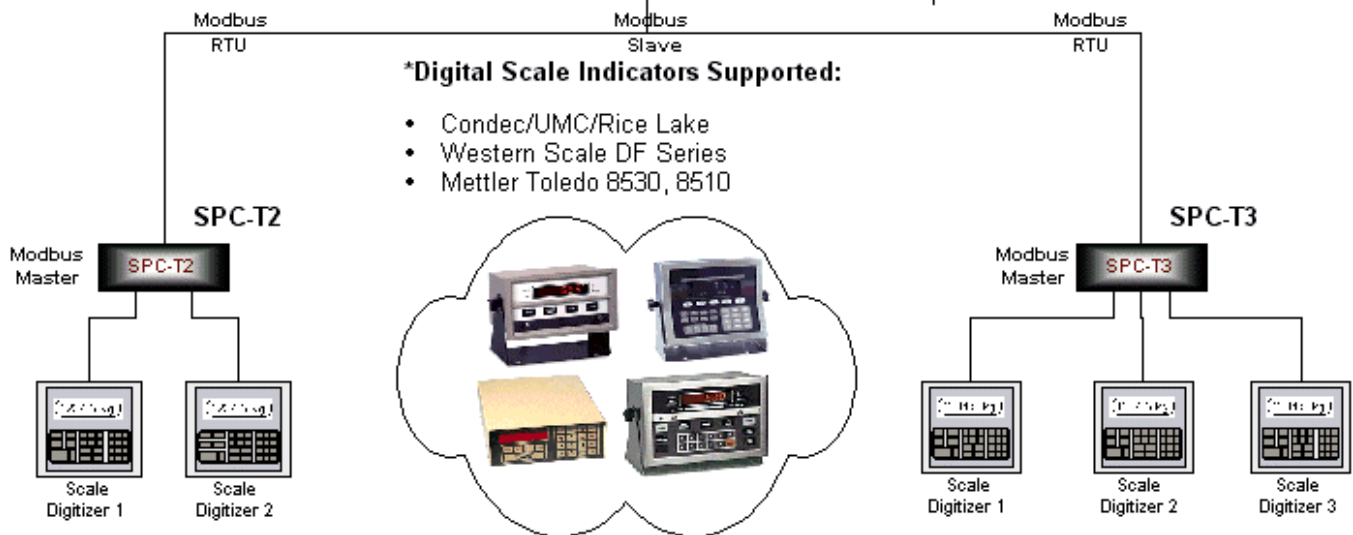


### \*\*PLC's Supported:

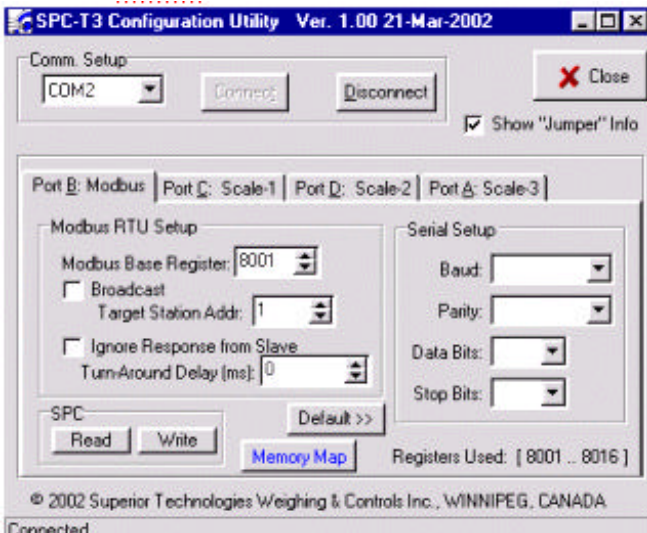
- Modicon Quantum™, Compact™, Momentum™
- GE Fanuc Series 90-30™
- Direct Logic™
- Or any Modbus RTU (slave) capable device

### \*Digital Scale Indicators Supported:

- Condec/UMC/Rice Lake
- Western Scale DF Series
- Mettler Toledo 8530, 8510

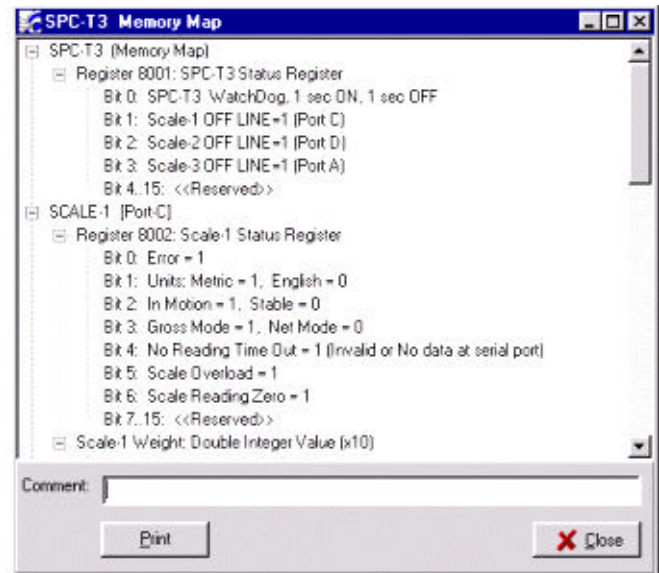


**Easy-To-Use Windows™ Configuration Software:**  
 > Flexible Modbus™ Configuration  
 > Supports 3 brands of scale digitizers



## Features & Benefits

- ▶ Utilize your EXISTING Scale Digitizers! Why buy new scale instruments when you can interface to your existing equipment? Use the SPC™ and save time and money versus new installations that incur additional re-calibration and Measurement Canada re-certification costs.
- ▶ Legal-For-Trade capable
- ▶ Avoid the need to purchase specialty BASIC modules and program them to read 1 or 2 scale digitizers.
- ▶ Avoid the need to purchase an Analog Input card (and the need to calibrate each signal) to obtain scale weight information. The SPC™ delivers an exact digital reading with status information for use in your system.
- ▶ Currently supports Rice Lake (UMC Series), Western Scale (DF Series) and Toledo 8530 Scale Digitizers.



## SPC™ Functions

- ▶ Reads exact digital weights, IEEE format also available
- ▶ Reads scale statuses such as: Motion, Weight Units, Weight Mode (Gross or Net), Overload, and Under-load
- ▶ Formats Scale data into Modbus Protocol for ease of use in your PLC software

**For More Information Contact**  
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