

### Signal Transmitters, Isolators, and Converters

#### S18: Custom Linearization Handles Odd Shaped Tank

**Problem:** I have an odd shaped storage tank. The output from my level transmitter doesn't correspond to volume because of the nonlinear relationship. I have the strapping data for my tank but my PLC is overloaded and can't perform the linearization function. Any solutions?

**Solution:** The SIY PC-Programmable isolator has an 85-point linearization function that would easily handle this problem. Simply enter the strapping data into the table, it will be linearized and scaled to provide a 4-20mA output proportional to volume.

#### Model Number Example

SIY / PRG / 4-20MA / 10-42DC [DIN]

