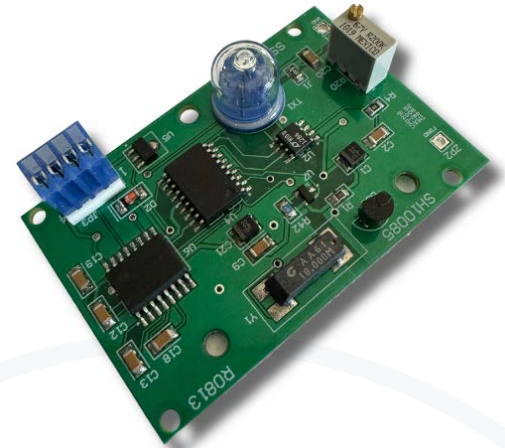




The **SSY0135 RS232 Signal Conditioner** is a Single Axis Conditioner, which delivers an **RS232** output. Designed to utilize the entire line of SH Series Ceramic Tilt Sensors (not included), the **SSY0135** is capable of supplying digital data over a +/-0.5 to +/-80 degrees full range (sensor dependent). The output can be easily interfaced to a PC using the serial port, or directly to a microcontroller. The open architecture design simplifies installation, allows easy access for gain adjustment, and makes this conditioner perfect for OEM applications. Other select Spectron sensors may also be used with the **SSY0135**. Consult factory for details.



General Specifications

Input voltage.....+7 to +20Vdc
Input current5mA @ +12Vdc
Resolution.....12 bits
Response time.....25 mSec
Null offset adjustment programmable
Operating Temp range..... -20 to +70 degC
Storage Temp Range -40 to +90 degC
Stability over temperature +/-2 bits
Temperature resolution..... 1 degC
Clock Speed 10 Mhz

Communication Protocol

Baudrate9200
Data width 8 bits
Parity..... none
Flow control none
Stop bit1

** Consult factory for detailed communication protocol information!*

Communication Protocol

Part number = SSY0135-XX (-XX denotes sensor type)

Dimensions, Electrical Connections, and Adjustments

TECHNICAL SPECIFICATIONS UPON REQUEST