

<i>GENERAL SPECIFICATIONS (i340 INTEGRATOR INSTRUMENT)</i>	
<b>APPLICATION</b>	Integrator, Single Idler Quarry King Belt Scales
<b>FUNCTION</b>	Rate Measurement, Inventory Control, Totalization and Dual Preset Batch Counter
<b>ENCLOSURE</b>	Enclosure, Type 4X/IP 66, 8.5 H x 10.5 W x 6.5 D (inches), SMC Polyester Fiberglass
<b>CONNECTIVITY</b>	Optional, Fieldbus Communications, Ethernet/IP-Modbus/TCP
<b>APPROVALS</b>	Underwriters Laboratories CUL Listed; UL File #E208487
<b>CABLE LENGTH</b>	Maximum cabling length of 1000 wire feet between instrument and weighing equipment
<b>INPUT POWER</b>	120 – 240 VAC, 1 Phase, 50 – 60 Hertz (Fused Universal Power Supply), ≤ 25 Watts
<i>ENVIRONMENTAL CONDITIONS</i>	
<b>TEMPERATURE</b>	14 to 149° F / -10 to 65° C (Operating), -4 to 185° F / -20 to 85° C (Storage)
<b>HUMIDITY</b>	10 to 90% Noncondensing (Operating), 5 to 95% Noncondensing (Storage)
<b>ALTITUDE</b>	Up to 2000 Meters (Operating), Up to 3000 Meters (Storage)
<b>COOLING</b>	Method Natural Convection
<b>POLLUTION</b>	Degree of Pollution 2
<b>CLASSIFICATION</b>	Area Location, Nonhazardous
<i>PROCESSOR SPECIFICATIONS</i>	
<b>PROCESSOR</b>	Embedded PC with Flash Card
<b>DISPLAY</b>	4 Line x 20 Character, Organic Light Emitting Diode (OLED) Yellow Dot Matrix (Full Messaging)
<b>KEYBOARD</b>	25 Graphic Keyboard Controls with Tactile/Audio Feedback
<b>LOAD RESOLVER</b>	24 Bit A/D Converter, Resolution 0 - 1,048,575 for -15 to 125% Full Scale Output
<b>SPEED RESOLVER</b>	Digital, Resolution 0.33 to 7,500 Hertz for 0 to 100% Belt Speed
<i>SUPPORTED SENSORS</i>	
<b>WEIGHT/LOAD</b>	Strain Gauge Load Cells, (Typical 3mV/V), 4 or 6 Wire
<b>SPEED/VELOCITY</b>	Single/Dual Channel Line Drive Encoders or Inductive Proximity Switches (Open Collector)
<b>TEMPERATURE</b>	Optional, Digital
<i>SENSOR SUPPLY SPECIFICATIONS</i>	
<b>WEIGHT/LOAD</b>	Excitation, 5 VDC Alternating Square Wave @ 20-675 Hertz, 62.5 mA, 85 – 1.2 K Ohms
<b>SPEED/VELOCITY</b>	+12 VDC Supply Voltage, 250 mA Maximum Current Draw
<b>TEMPERATURE</b>	+5 VDC Supply Voltage, 1.5 mA Maximum Current Draw
<i>INPUT / OUTPUT SPECIFICATION</i>	
<b>ANALOG OUTPUT (QTY 1)</b>	Isolated 4–20 mA into 750 Ohm Load, Isolated, +24 VDC Source , 16 Bit Resolution <b>AO-1</b> , Field Selectable (See manual for complete list of assignments)
<b>DIGITAL INPUTS (QTY 4)</b>	Require Dry Contact Closures, Sourcing +12 VDC with 10 mA Minimum Sink Current <b>DI-INTLK</b> , Factory Set for Drive Status <b>DI-1, DI-2 and DI-3</b> , Field Selectable (See manual for complete list of assignments)
<b>DIGITAL OUTPUTS (QTY 2)</b>	Isolated Relays, Form C Contacts, 140 VAC / 200 VDC, 50 mA Maximum, 10 Watt Resistive Load <b>DO-1 and DO-2</b> , Field Selectable (See manual for complete list of assignments)
<b>DIGITAL OUTPUTS (QTY 2)</b>	Solid State Relays, Form A Contacts, 240 VAC / VDC, 100 mA Maximum <b>DO-3</b> , Field Selectable (See manual for complete list of assignments) <b>Remote Totals</b> , Factory Set for Remote Totals (Totalizer)