

Sensing Molten Metal Level with the Digital EC 2100 ensures stable, extremely accurate mold level with its differential voltage feedback operation. This patented operation enables the amplifier to more quickly transmit information, providing the actuator with valuable additional time to respond to changing levels.

Simplify the transition from analog to digital. Upgrade your GPE 600/700 MA series analog amplifiers to the EC2100 digital amplifier without changing the external conduit or wiring.

Setups for multiple molds can be programmed with the keyboard and stored in non-volatile memory, making changing molds an easy keystroke function.



EC 2100 Digital Amplifier

- Highly Sensitive and Accurate (+/- 1mm)
- Unaffected by Mold Powder
- Increased Functions and Alarms
- Simple Sensor Installation
- Up to 10 Strands Memorized
- Faster, Simplified Mold Setup
- Easy Conversion from Analog to Digital

### ■ Reduced Downtime

Low susceptibility to electromagnetic excitation and temperature.

### ■ Set from a Keyboard

Simplified setup including automatic setting of multiple parameters with one input. Read the configuration and adjustment values from an LCD display.

### ■ Peace of Mind

Review the parameter settings from the LCD.

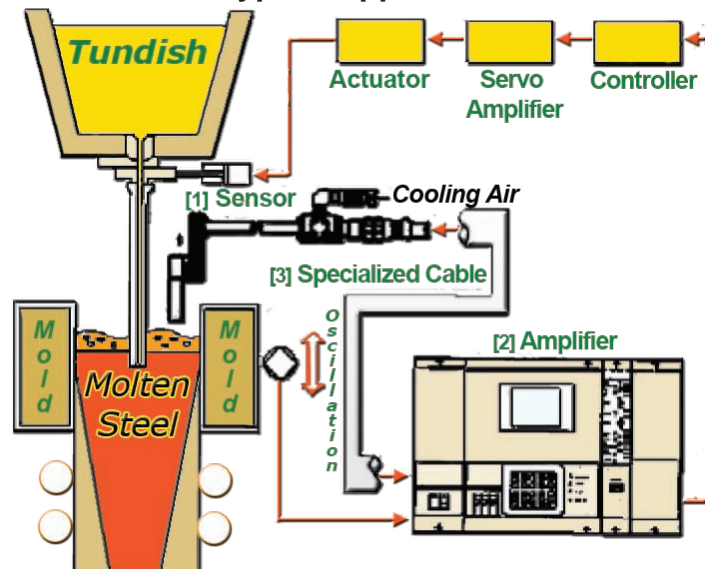
### ■ Trouble Free Performance

High quality, corrosion-resistant materials are used throughout.

### ■ Technical Service and Support

Available from GPE's trained service technicians.

### Typical Application



1. See sensor product data sheet for available sensors and specifications.
2. GPE EC2100 Digital Amplifier.
3. Specialized cables are available from GPE. Please consult the factory.



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# Digital Amplifier

GPE EC2100

## PRODUCT DATA SHEET

### Specifications

See sensor product data sheet for available sensors and specifications.

<b>Level Output</b>	4 - 20 mADC (load 100 - 500 Ω), 0 - 100, 0 - 150, 0 - 200 mm / 4 - 20 mADC
<b>Sensor Temperature Output</b>	0 - 100°C / 4 - 20 mADC (load 100 - 500 Ω)
<b>Linearity</b>	+/- 1% (F.S.)
<b>Repeatability</b>	+/- 0.5 % (F.S.)
<b>Display Method</b>	LCD type (displays digits, letters, tables and output waveforms)
<b>Linearizer</b>	Can register up to ten sets of properties (Can handle changes in properties when mold size changes) Break point 10 mm pitch (20 point Max)
<b>OPC Setting</b>	Ten pairs of OPC1/OPC2 can be saved
<b>Oscillation Filter (BEF)</b>	Attenuation: At least -30 dB Range: 40 CPM minimum, 600 CPM maximum
<b>Mold Oscillation Signal</b>	4 - 20 mADC / 0 - 600 CPM maximum
<b>Ambient Temperature</b>	40°C max
<b>Humidity</b>	90%RH max (without condensation)
<b>Power Supply</b>	AC 100V / 110V +/- 10%      50/60 Hz +/- 2% (150 VA)
<b>Air Purge (meter air)</b>	P = 2.8 +/- 1 PSI    Flow = .75 scfm
<b>Weight</b>	66 lbs (30 kg)
<b>Reference Dimensions</b>	14.2 in. (H) x 21.9 in. (W) x 11.1 in. (D) 360 mm (H) x 557 mm (W) x 283 mm (D)
<b>Cable</b>	Dedicated coaxial

### How to Order

EC2100 - XX

_____ Enclosure:	<b>01</b>	Nema 12 Enclosure
	<b>02</b>	Nema 12 Enclosure with Air Regulator
	<b>03</b>	General Purpose Enclosure

Design subject to change without notice.



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