

**Ordering the HI 4050 or HI 4060 Made Easy!**

The HI 4050 and HI 4060 are configured products so each unit is built specifically for your application. The part number is built so that we know exactly what options you are selecting to build your custom configuration. As such, there are seven options in the part number and there may be four to seven choices that you must select from to build your unit.

Series Model	Instrument Type	Power Supply	Internal Option	Network Option	Auxillary Option	Enclosure Option
HI40XX	XX	XX	XX	XX	XX	XX
<b>SERIES MODEL</b>						
<b>50</b>	HI4050 Single Scale Weight Controller					
<b>60</b>	HI4060 Single Scale Rate Controller					
<b>INSTRUMENT TYPE</b>						
<b>-DR</b>	DIN Rail (no display)					
<b>-PM</b>	Panel/Remote Mount (with display)					
<b>-DRWS</b>	Wall Mount Stainless Steel Enclosure (no display)					
<b>-PMWS</b>	Wall Mount Stainless Steel Enclosure (with display)					
<b>POWER SUPPLY</b>						
<b>-AC</b>	AC Power 110-240VAC, 47-63Hz					
<b>-DC</b>	DC Power 24 Volts nominal					
<b>INTERNAL OPTIONS</b>						
<b>-N1</b>	No Internal Option					
<b>-EIP</b>	EtherNet/IP Communications					
<b>-MD</b>	Modbus TCP/IP Communications					
<b>-ROC</b>	Rate-of-Change Application					
<b>-NTEP</b>	NTEP Certification (add front label)					
<b>NETWORK OPTION</b>						
<b>-N2</b>	No External Option					
<b>-DN</b>	Devicenet Communications					
<b>-4ANA*</b>	4 Channel Analog Communications					
<b>-PB</b>	Profibus Communications					
<b>-RIO</b>	Allen-Bradley Remote I/O					
<b>-CN</b>	ControlNet Communications					
<b>AUXILIARY OPTION</b>						
<b>-N3</b>	No Auxilliary Option					
<b>-4ANB*</b>	4 Channel Analog Communications					
<b>-DIO</b>	Digital I/O Output					
<b>ENCLOSURE OPTION</b>						
use only with -DRWS or -PMWS Instrument Types						
<b>-N4</b>	No Summing Card Includes Glands and Seal					
<b>-IT1</b>	Summing Card with Integrated Technician (IT)					
<b>-IT2</b>	Summing Card with IT and Trim Pots**					
<b>-JB1</b>	Standard Summing Card					
<b>-JB2</b>	Summing Card with Trim Pots**					
<b>-JB3</b>	Summing Card with TB-10 expansion connector***					
<b>-JB4</b>	Summing Card with Trim Pots** and TB-10 expansion connector					
* Must select only one -ANA or -ANB, not both						
** Trim pots must not be used with C2 load cells						
*** For more than 4 load cells, use Summing Cards with TB-10 expansion connector						

The chart below shows the seven components of the part number.

1) The first option is the base part number--in this case either the HI 4050 or the HI 4060. The example below shows the HI 4050.

**Example Order #'s**

**HI 4050 - XX-XX-XX-XX-XX-XX**

**HI 4050-DR-DC-N1-DN-N3** = Din rail blind, DC power, no internal opt, Devicenet, no Aux Opt:

**HI 4050-PMWS-AC-MD-N2-DIO-N4**= Wall Mount w/display, AC powered, Modbus TCP/IP, No Ext Network, Digital IO, No Summing Card:

Series Model	Instrument Type	Power Supply	Internal Option	Network Option	Aux Opt	Encl. Opt
HI 40XX	XX	XX	XX	XX	XX	XX
HI 4050	-DR, PM, DRWS, PMWS	-AC, DC	-N1, EIP, MD, ROC, NTEP	-N2, DN, 4ANA, PB, PB50W, RIO, CN	-N3, 4ANB, DIO*	-N4, IT1, IT2, JB1, JB2, JB3, JB4

2. The next selection is the mounting option. This option provides Hardy with the specifics for how you will integrate the HI 4050 into your manufacturing environment.

**Instrument Type  
(Select One)**

Din Rail (no display)	<b>-DR</b>
Weight Controller Panel/Remote Mount (with keyboard/display)	<b>-PM</b>
Wall Mount Stainless steel enclosure (no display)	<b>-DRWS</b>
Wall Mount Stainless steel enclosure (with keyboard/display)	<b>-PMWS</b>

3. The next option is easy: Will you use AC or DC current where you will be installing the HI 4050?

**Power Supply  
(Select One)**

AC	<b>-AC</b>
DC	<b>-DC</b>

4. The next decision is your selection of which internal communications option you will need. The internal option is built-in communication that becomes integral to the HI 4050. Even if you are not using any of the internal option selections, you must at a minimum enter N1. There are other ways to build communications into the unit with other options.

**Internal Options**  
**(Select One)**

No Internal	<b>-N1</b>
EtherNet/IP	<b>-EIP</b>
Modbus TCP/IP	<b>-MD</b>
Rate-of-Change	<b>-ROC</b>
NTEP (adds front label)	<b>-NTEP</b>

5. The Network Option is a card that can be added to the HI 4050. There are two communications slots in the HI 4050. The list below includes the options for the first slot only. There are a few rules with ordering for this slot. First, if you are ordering Analog, you can put it in one of the two slots, but not both so if you put it in this slot you can't order it for the other slot. The Profibus interface(-PB) is available for only the Din Rail and Panel Mount versions only. For a PMWS or DRWS, you must order a -PB50W instead. Finally, the Remote I/O and ControlNet applications have been internally tested, but certifications are not available for that interface.

**Network Options 1**  
**(Select One)**

No External Network	<b>-N2</b>
Devicenet	<b>-DN</b>
Four Channel Analog (Network Slot) <b>++</b>	<b>-4ANA</b>
Profibus Interface <b>(DR and PM only)</b>	<b>-PB</b>
Profibus Interface	<b>-PB50W</b>
Allen-Bradley Remote I/O <sup>+</sup>	<b>-RIO</b>
ControlNet <sup>+</sup>	<b>-CN</b>

6. The Auxiliary Slot is available for users who need an additional option not covered by the other communication slot and internal option. There are only three choices for this slot. The Analog and Digital I/O options are an actual card that goes into the slot and the -N3 is offered for those that wish to leave this port open. Remember, if you put Analog in the first slot, you may not put Analog in the second slot.

### Auxiliary Options

(Select One)

No Aux Option	-N3
Four Channel Analog (Option Slot) <b>++</b>	-4ANB
Digital I/O (3 in; 4 out)	-DIO

7. All the choices for the last option are related to the PMWS and DRWS enclosures. The HI 4050 fits happily inside the PRWS and DRWS. However to use it for more than 1 load point, you must order a summing card option. The -N4 option is required those that do not need a summing card. It is required to provide the glands and seals used where a summing card normally goes.

### Enclosure Option Assemblies Used ONLY with -DRWS, -PMWS (Select One)

No Summing Card Option. Includes 4 glands; 4 seals <b>+++</b>	-N4
INTEGRATED TECHNICIAN Summing card	-IT1
INTEGRATED TECHNICIAN Summing card with Trim Pots <b>***</b>	-IT2
Standard Summing Card	-JB1
Standard Summing Card with Trim Pots <b>***</b>	-JB2
Standard Summing Card with TB-10 <b>**</b>	-JB3
Standard Summing Card with Trim Pots <b>***</b> /TB-10 <b>**</b>	-JB4

**+++ MUST select if NO summing card**

**\*\* For more than four load cells, use two HI  
215JB series with TB-10**

**\*\*\* Trim Pots cannot be used with C2**

Now that you understand how to order the HI 4050 or HI 4060 to make it super easy, there is a Zipped Excel Spreadsheet in the Documents and Downloads section of the respective webpages that you can use to plug in your options and it will automatically generate a part number.

If you have any questions, please contact our Hardy Service Center at 858-278-2900 or 800-821-5831. We would be happy to help.

[www.hardysolutions.com](http://www.hardysolutions.com)