Hoffer Indicator Totalizer
Model: HIT-2
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SPECIFICATIONS

Description
Featuring 4½ digits of rate and 8 digits of total, the HIT-2 is a battery powered indicator capable of accepting magnetic pickup, DC pulse and switch closure inputs. The unit can be ordered with an optional 4-20mA output. The HIT-2 uses the 4-20mA loop to provide power when this output is used.

Specifications

POWER:
BATTERY POWERED
Supplied with 2 C size Lithium battery pack.
EXTERNAL POWER INPUT
Voltage: 8.5 to 30 VDC
Current: Less than 5 mA
Supplied with 1 C size lithium battery
Protection: Reverse Polarity Protection on DC Power Input
LOOP POWERED
Voltage: 8.5 to 30 VDC
Supplied with 1 C size lithium battery
(battery must be installed to power display)
Protection: Reverse Polarity Protection on Current Loop
Loop Burden: 8.5V maximum

Battery Life Expectancy

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>RUN TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIT-2 B/C</td>
<td>10 years</td>
</tr>
</tbody>
</table>

All of the above values are calculated with the pulse output ON. Turn the pulse output OFF to prolong battery life up to 30%.

DISPLAY:
Rate Display: (selectable decimal)
4.5 Digits (59999), 0.35" High, Display updates once every two seconds
Rate Descriptors: /SEC, /MIN, /HR
Min. Input Frequency: .125 Hz to 10 Hz (selectable delay of 0.1 to 8.0 seconds)*
Totalizer Display: (selectable decimal)
8 Digits (99999999), 0.2" High
Totalizer Descriptors: GAL, LIT, FT3, M3, "blank"
Warning Displays: Low battery warning

PULSE OUTPUT:
The pulse output advances with the least significant digit of the totalizer.
Type: Opto-isolated open collector transistor.
Max. voltage (off state): 30 VDC
Current (on state): 5 mA @ .9 V drop, .1mA @ .7 drop
Pulse Rate / Duration: Selectable (see below)

<table>
<thead>
<tr>
<th>SPEED (Hz)</th>
<th>1</th>
<th>2</th>
<th>4</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. on/off (msec)</td>
<td>500</td>
<td>250</td>
<td>125</td>
<td>62.5</td>
</tr>
</tbody>
</table>

Pulse output divider: User selectable, +1, +10, +100 or OFF
NOTE: Select OFF for max. battery life.

ACCURACY:
0.01% Reading, ±1 count
Temperature Drift: 50 ppm/°C Worst Case

MOUNTING STYLES:
0- Circuit Board - OEM option (consult factory)
1- Panel Mount - NEMA 4X Front
2- Wall Mount - NEMA 4X Enclosure (unit mounted behind clear cover)
3- Explosion Proof - Class I, Division I, Groups B, C & D
             Class II, Division I, Groups E, F & G
5- Wall Mount - NEMA 4X Enclosure (unit mounted on cover)

ENVIRONMENTAL:
OPERATING TEMPERATURE
-4°F (-20°C) to + 158°F (70°C)
Extended Temp: -22°F (-30°C) to + 158°F (70°C)
HUMIDITY
0 - 90% Noncondensing

INPUTS:
MAGNETIC PICKUP INPUT
Frequency Range: 0 to 3500 Hz
Trigger Sensitivity: 20 mV P-P
Over Voltage Protected: ± 30 VDC
OPTO-ISOLATED DC PULSE INPUT
High (logic 1): 4-30 VDC
Low (logic 0): Less Than 1 VDC
Minimum Current: .5 mA
Hysteresis: 0.4 VDC
Frequency Range: 0 to 5 kHz
Min. Pulse Width: 0.1 msec

CONTACT CLOSURE INPUT (contact closure to common)
Internal Pullup Resistor: 100 KΩ to +3.6 VDC
High (logic 1): Open or 4-50 VDC
Low (logic 0): Less Than .5 VDC
Internal Switch Debounce Filter: 0 to 40 Hz

CAUTION: Sustained contact closure will shorten battery life.

RESET INPUT (contact closure to common)
Internal Pullup Resistor: 100 KΩ to +3.6 VDC
High (logic 1): Open or 4-50 VDC
Low (logic 0): Less Than .5 VDC
Minimum On : 25 msec

CAUTION: Sustained contact closure will shorten battery life.

K-FACTOR
Range: 0.001 to 59999
Decimal Point Locations: XX.XXX to XXXXXX
Factor Multiplier: Multiplies entered K-Factor by 1, 10, 100, 1000.
10 Point Linearization Option
This feature allows the user to enter 10 different frequencies with 10 different corresponding K-Factors to linearize non linear signals.

ANALOG OUTPUT OPTION:
Type: 4-20 mA follows rate display, Two wire hookup
Accuracy: 0.15% Full Scale at 20° C
Temperature Drift:
50 ppm/°C Typical
200 ppm/°C Worst Case
Reverse Polarity Protected
NOTE: The HIT-2 uses the 4-20 mA loop power as its power source when this option is used. The battery is still required to power the display.

* A large delay setting and internal math operations may delay the update rate.
INSTALLATION

Battery Installation and HIT-2 Initialization:

All HIT-2 models are shipped with the battery installed. When using external BATPACK, mount within 12” and plug connector into 3 position square posts (see Fig 1). Polarity is not a concern because center is common.

To install a new battery, begin by locating the battery holder. The HIT-2-2, 3 and 5 require opening the enclosure cover and removing the HIT-2 to expose the battery holder.

The plus terminal of the battery is marked with a (+) symbol stamped into the battery holder. Be sure to install the battery(ies) correctly.

Locate the “initialize” terminals on the HIT-2 PCB (see Fig1). Using a small length of wire, temporarily jumper across the initialize terminals. The unit will respond by showing its software version number and then illuminating the LCD display. See Programming Flowchart to setup desired operating parameters.

**CAUTION:** All HIT-2 models are provided with two or more sources of power. The power should not be interrupted when changing batteries. For models with two batteries, change one battery at a time. If all power sources are interrupted, information will be lost and the unit will have to be re-initialized as described above.

![Diagram of HIT-2 models and BATPACK](image)

**Fig 1**

**Rear View**

- BATPACK Connector
- Jumper Momentarily To Initialize

**BATPACK**

- Mounting Hole 0.125 (3) dia.
- Battery 0.15 (3.8)
- 0.30 max. (7.6)

**HIT-2-0**

- 3.0±0.00 DIAMETER
- Mounting holes .220 Drill, .010" (.32) nylon Spacer .010" (.32)

**HIT-2-1**

- Outside Overall Dimensions
  - 2.564" dia. 2.027" dia.
  - 5/32" dia. .220 dia.
  - 10° offset from 10° apart

**HIT-2-2 & HIT-2-5**

- Mounting holes molded directly under cover screws, Max. screw head .29" (7.5)

**HIT-2-3**

- To access terminals, unscrew cover and loosen 2 panel screws.
  - (If screws are removed, spacers may drop out.) Terminals are on bottom side of PC board.

**SIDE VIEW**

- Panel Screws (4 places)
- TOP VIEW PANEL INSTALLED

**Optional 3rd Conduit Entry**

- 3/4 NPT (2) HLS
- 5/16

- 5.00 (127)

- 4.63 (117)

- 5.25 (133)
THEORY OF OPERATION

Flow rate equation:

\[ \text{Flow Rate Indication} = \frac{\text{Input Frequency}}{\text{FAC} \times \text{FAC mul}} \times \text{Time Scaler} \]

Where Time Scaler is equal to: 1 for rate per second read out
60 for rate per minute read out
3600 for rate per hour read out

Flow total equation:

\[ \text{Flow Total} = \frac{\text{Sum of Input Pulses}}{\text{FAC} \times \text{FAC mul}} \]

10 Point Linearization Option:

A 10 point linearization table is used to construct a curve describing the relationship of K-Factor and input frequency. The measured input frequency is used to access the table. A linear interpolation of adjacent point pairs is used to arrive at the K-Factor at that input frequency. The flow rate and total are then computed based upon the K-Factor for that measurement sample.

NOTE: For best performance and resolution choose as many decimal places as possible in the K-Factor.
Example: Enter a K-Factor of 1 as 1.000.

WIRING

Several typical applications of the HIT-2 are shown below. Please observe that the various pulse inputs and power options may be intermixed in many ways to solve common applications. The isolated pulse output may be freely used so long as proper polarity is observed.

Caution: When 4-20 mA loop option is provided, the power wiring to the loop power option should always be to terminals (+) 12 and (-) 11. Accidental wiring to (+) 12 and (-) 6 should be avoided since excessive current flow may result.

Caution: The magnetic pickup input and contact closure input require isolated sensors for proper operation. Accidental connections to earth may result in erroneous operation of the analog output and/or excessive current flow.

Caution: Accidental connections from circuit common (3 or 6) to earth or terminal (11) may result in erroneous operation of the analog output and/or excessive current flow.

TYPICAL APPLICATIONS
DEFINITIONS

EnC CdeE: (enter code) This prompt will only appear if the panel lock is ON. Press the ↑ key to increment each digit. Press the ← key to step to the next digit to the left. Press the E key to enter the 4 digit code. If the entered code is correct, the display will advance to the next menu prompt (CLR tot). If incorrect, the display will return to the run mode.

CLR tot: (clear total) Clears (resets) the totalizer. Press the E key to clear the total and return to the run mode. Press the M key to skip and advance to the next menu selection.

FAC mul: (factor multiplier) Sets the factor multiplier value. Press the ↑ key to select 1, 10, 100, 1000. Press the E key to enter the displayed value.

FndEC: (factor decimal) Sets the decimal location for the factor. This location is restricted to 3 places (59.999). The use of this decimal automatically limits the number of decimal locations allowable in the rate and total to acceptable ranges. Press the ← key to move the decimal. Press the E key to select the displayed decimal location.

NOTE: For best performance and resolution choose as many decimal places as possible in the K-Factor. Example: Enter a K-Factor of 1 as 1.000.

FAC linER/ →PoinE: (factor type) This prompt will only appear if the unit is ordered with the 10 point linearization option. The →PoinE linearization selection is recommended for flow meters whose K-factors change with different flow rates. This selection allows users to enter up to 10 different frequencies with 10 corresponding K-factors for different flow rates. The LinER setting is used for flow meters whose output is linear over its' entire operating flow range. Press the ↑ key to step to the desired choice. Press the E key to enter the displayed factor type.

no/YES set →PoinE: (set 10 point?) This prompt allows the user to skip the 10 point setup routine. Select YES for initial setup or to change the present 10 point values. Select no to skip and keep the existing values.

FAC: (factor) This prompt appears on all units with linear inputs. The Factor is the number of pulses per unit volume for the flow sensor. The pulses/unit volume is implied by the totalizer descriptor when a descriptor is used. The implied units for the Factor are then as follows:

| GAL | pulses/gallon |
| LIT | pulses/liter |
| FT3 | pulses/ft3   |
| M3  | pulses/M3    |

Factors from 0.001 to 59999 may be used. A 0 value for the factor is not allowed and a warning message will be given. The factor is displayed on the subsidiary (lower) display. Press the ↑ key to increment each digit. Press the ← key to step to the next digit to the left. Press the E key to enter the displayed factor.
**DEFINITIONS**

(continued)

Fr#: (frequency for point #) This prompt will only appear when 10 point selected. It sets the frequency for each of the 10 points (#). Press the ↑ key to increment each digit. Press the ← key to step to the next digit to the left. Press the E key to enter the desired frequency for point #.

Fac#: (factor for point #) This prompt will only appear when 10 point selected. It sets the factor for each of the 10 points (#). Press the ↑ key to increment each digit. Press the ← key to step to the next digit to the left. Press the E key to enter the desired factor for point #.

**NOTE:** The display will advance to the next point (Fr#) after each entry of the Fr & Fac until all 10 points are complete. Entering a 0 in the Fr or fac setting will advance the display to the next menu prompt (tdec).

EdEC: (totalizer decimal) Sets the decimal location for the totalizer. The totalizer decimal is not a dummy decimal and will scale the totalizer display accordingly. (i.e. if the tdec is set in the tenths position (1234567.8), 100 will be displayed as 100.0). The location of the decimal point allows for greater resolution of both the totalizer display and the pulse output. The pulse output advances at a rate dependent on the least significant digit of the totalizer. The totalizer decimal location is restricted to a maximum of 4 places (1234.5678). However, the number of totalizer decimal locations allowable is reduced with each decimal place added to the factor decimal. Press the ← key to move the decimal. Press the E key to enter the displayed decimal location.

**Note:**

The selection of the factor decimal point limits the available selections for the number of decimal points available for the totalizer. This is automatic.

Enter your selection of the Factor’s decimal point before entering the totalizer decimal point to assure the proper selection of the totalizer decimal point has been made.

Ed dESC: (totalizer descriptor) This allows you to illuminate one of the available descriptors on the display (GAL, LIT, FT3, M3 or "blank"). Press the ↑ key to select the descriptor. Press the E key to enter the selected descriptor.

**SCALE:** (ratemeter scaling) Sets the rate readout. Choose rate per hour (H-5), minutes (mmn) or seconds (SEC). The scale setting is shown on the main (upper) display. Press the ↑ key to step to the desired choice. Press the E key to enter the displayed scale setting.

**Note:** A rate descriptor corresponding to the above choice will be illuminated on the display.

R dECLoC: (ratemeter decimal location) Sets the decimal location for the ratemeter. The ratemeter decimal is not a dummy decimal and will scale the rate display accordingly. (i.e. if the r decloc is set in the tenths position (123.4), 100 will be displayed as 100.0). The ratemeter decimal location is restricted to a maximum of 4 places (.1234). However, the number of ratemeter decimal locations allowable is reduced with each decimal place added to the factor decimal. Press the ← key to move the decimal. Press the E key to enter the displayed decimal location.

**Note:** The flow rate indicator will flash “59999” if the computed flow rate exceeds the 59999 display capability of the indicator. Choose a new decimal point location to avoid this.
DEFINITIONS
(continued)

delay: (delay) Sets the amount of time (0.1 to 8.0 seconds) that the unit will "look" for valid input data. If pulses are not detected within this "window", the rate will display 0. The display will update once every two seconds as long as the unit receives valid data within two seconds. Some internal mathematics may delay this update. Press the ↑ key to increment each digit. Press the ← key to step to the next digit to the left. Press the E key to enter the displayed delay value.

out Lo: (out low) Sets the low setting for the 4-20 mA analog output. Key in the low rate value at which the unit will output 4mA. Press the ↑ key to increment each digit. Press the ← key to step to the next digit to the left. Press the E key to enter the displayed out lo value.

out Hi: (out high) Sets the high setting for the 4-20 mA analog output. Key in the high rate value at which the unit will output 20 mA. Press the ↑ key to increment each digit. Press the ← key to step to the next digit to the left. Press the E key to enter the displayed out hi value.

Pulseout: (pulse out divider) This allows the unit to output a pulse for each least significant total count divided by the selected divider. The pulse out can be divided by 1 (dd 1), 10 (dd 10), 100 (dd 100), or turned off (OFF). With the divider set at 1, the unit will give a pulse out for every increment of the LSD displayed.
Note: For maximum battery life, turn the pulse output off when pulse output is not used.

Selecting the proper pulse output divider may be needed so that the pulse output does not exceed the maximum rate of the pulse output (10 Hz). If the pulse output pulses too quickly a flashing display will result. Pressing the "M" key will result in a display of an error message "E PULSE". Press the "E" key to return to the run mode.

Freqout: (pulse out frequency) Sets the pulse output frequency / duration. Selections are: 1, 2, 4 or 8 Hz. This menu item is skipped if Pulseout is turned off.

Lock Code: (lock code) Sets the 4 digit lock code to be entered when the unit prompts Enter Code. This allows the user to gain access to the menu when the unit is locked. Press the ↑ key to increment each digit. Press the ← key to step to the next digit to the left. Press the E key to enter the displayed code.
Record this number for later use!

Lock unit: (lock unit) Sets the panel lock ON or OFF. Press the ↑ key to select ON or OFF. Press the E key to enter the displayed selection.
PROGRAMMING FLOWCHART

RUN MODE
If panel lock OFF
M
If panel lock ON

ENTER CODE

CLEAR TOTAL

FACTOR MULTIPLIER

FACTOR DECIMAL

FACTOR TYPE

SET 10PT

FREQUENCY for POINT #
(Fr0-Fr9)

FACTOR for POINT #
(FAC0-FAC9)

Press the M key to enter the programming menu.

If the panel lock is on, you must enter the 4 digit lock code to gain access to the menu.

Press the ↑ key to increment each individual digit of the code.
Press the ← key to advance to the next digit.
Press the E key to enter the displayed code.
If the code is correct, display advances to "CLR tot"; if not, display returns to run mode.

Press the E key to clear the totalizer and return to the programming menu.
Press the M key to skip and go to next menu item.

Press the ↑ key to choose the factor multiplier (1, 10, 100, 1000).
Press the E key to enter the displayed factor multiplier.
Press the M key to skip and keep the existing factor multiplier.

Press the ← key to step the factor decimal to the desired location.
Press the E key to enter the displayed decimal location.
Press the M key to skip and keep the existing location
NOTE: For best performance and resolution choose as many decimal places as possible in the K-Factor. Example: Enter a K-Factor of 1 as 1.000.

Press the ↑ key to choose factor type (IDPoint or LnERa).
Press the E key to enter the displayed factor type.
Press the M key to skip and keep the existing factor type.

The FRC prompt will only appear if LnERa is selected or if the unit was ordered without the 10 point linearization option.

Press the ↑ key to increment each individual digit of the factor.
Press the ← key to advance to the next digit.
Press the E key to enter the displayed factor.
Press the M key to skip and keep the existing factor.

The SET 10PT prompt will only appear if IDPoint is selected. This allows users to bypass the 10 point set up and keep the existing values.

Press the ↑ key to choose YES or NO.
Press the E key to enter the displayed selection.
Press the M key to skip (same as selecting NO).

Press the ↑ key to increment each individual digit of the frequency for point #.
Press the ← key to advance to the next digit.
Press the E key to enter the displayed frequency.
Press the M key to skip and keep the existing frequency.
If 0 is entered, the display will advance to the next prompt (tdec).

Press the ↑ key to increment each individual digit of the factor for point #.
Press the ← key to advance to the next digit.
Press the E key to enter the displayed factor.
Press the M key to skip and keep the existing factor.
If 0 is entered, the display will advance to the next prompt (tdec).

Continue On Next Page
PROGRAMMING FLOWCHART
(continued)

TOTAL DECIMAL
Press the ← key to step the totalizer decimal to the desired location.
Press the E key to enter the displayed decimal location.
Press the M key to skip and keep the existing location.

TOTAL DESCRIPTOR
Press the ↑ key to step to the desired totalizer descriptor.
Press the E key to enter the displayed descriptor.
Press the M key to skip and keep the existing descriptor.

SCALE (ratemeter)
Press the ↑ key to step to the desired scale setting.
Press the E key to enter the displayed scale setting.
Press the M key to skip and keep the existing setting.

RATE DECIMAL LOCATION
Press the ← key to step the ratemeter decimal to the desired location.
Press the E key to enter the displayed decimal location.
Press the M key to skip and keep the existing location.

DELAY
Press the ↑ key to increment each individual digit of the delay.
Press the ← key to advance to the next digit.
Press the E key to enter the displayed value.
Press the M key to skip and keep the existing value.

OUT LOW (4mA)
Press the ↑ key to increment each individual digit of the out low setting (4mA value). This will only display on units with Analog Output.
Press the ← key to advance to the next digit.
Press the E key to enter the displayed value.
Press the M key to skip and keep the existing value.

OUT HIGH (20mA)
Press the ↑ key to increment each individual digit of the out high setting (20mA value). This will only display on units with Analog Output.
Press the ← key to advance to the next digit.
Press the E key to enter the displayed value.
Press the M key to skip and keep the existing value.

DIVIDER PULSE OUT
Press the ↑ key to step to the desired divider for the pulse output.
Press the E key to enter the displayed divider.
Press the M key to skip and keep the existing divider.

PULSE OUTPUT FREQUENCY
Press the ↑ key to step to the desired frequency for the pulse output.
Press the E key to enter the displayed frequency.
Press the M key to skip and keep the existing frequency.
This will not display if Pulse Out is turned OFF.

LOCK CODE
Press the ↑ key to increment each individual digit of the lock code.
Press the ← key to advance to the next digit.
Press the E key to enter the displayed value.
Press the M key to skip and keep the existing value.

TURN LOCK ON or OFF
Press the ↑ key to step to the desired lock setting.
Press the E key to enter the displayed lock setting.
Press the M key to skip and keep the existing setting.

RUN MODE
OPERATION

A suitable pulse producing device or flow meter is wired to one of the three pulse inputs provided on the HIT-2. Only one of these inputs is used in a given application. There are no connections to the two unused pulse inputs.

Isolated magnetic pickups may be connected to terminals 1 and 2. Isolated contact closures may be connected to terminals 5 and 6. Any pulse type may be connected to terminals 9(-) and 10(+).

Power to the unit may be provided by internal batteries, external DC, or the current loop. In all cases, the internal battery will provide for continued operation in the event primary power is lost.

Once properly wired, the operation of the HIT-2 is automatic.

The flow totalizer is updated every 2 seconds* with the latest total. If no input counts are received the unit remains in a low power state to conserve power.

The flow total may be cleared by the front panel switch sequence or by a contact closure on the remote reset terminal to circuit common.

To reset the unit from the front panel, the following key sequence is required:

Press M "CLR tot" will be displayed (if the panel lock is on, the display will prompt "Ent Code").

Enter the proper code to advance to the CLR Code prompt)

Press E To clear the total. Unit will return to operation

The flow rate indicator will measure the flow rate once every 2 seconds* and display the flow rate.

If the input pulses are not detected within the delay setting (0.1 to 8.0 seconds), a flow rate of 0 will be indicated.

The analog output will be scaled based on the user selected zero and full scale and the measured flow rate. The analog output is updated every 2 seconds*.

The pulse output will generate a burst of pulses every 2 seconds* in accordance with the instrument setup of pulse scaling.

* A large delay setting and internal math operations may delay the update rate.

MAINTENANCE:

The only scheduled maintenance for the HIT-2 is periodic replacement of the battery.

Battery Replacement:

The HIT-2 has a battery monitor feature which illuminates when the lithium battery voltage approaches its end of life. A descriptor, "BAT", illuminates when the battery voltage falls below this predetermined value. The low battery detector operates correctly with all power options.

The battery, or batteries, should be replaced within several weeks of the first occurrence of low battery warning, "BAT". Left unattended, the unit may become inaccurate, cease to operate or loose setup information or malfunction.

Batteries should be replaced one at a time to avoid interrupting the power.

See INSTALLATION section for battery installation instructions.
ERROR MESSAGES

The HIT-2 is provided with extensive self checking which assists the user in the location of setup entry errors and in reporting malfunctions or unusual operating conditions. When an error occurs, the display will flash. Press any key to see the error message corresponding to the error that has occurred. Press any key again to acknowledge the error. (If the error can be eliminated by a change of setup values, the unit will automatically advance to the MENU so that the appropriate setup changes can be made).

Table - 2 illustrates the warning message, problem, and recommended corrective actions.

Diagnostic Error Messages Table-2

<table>
<thead>
<tr>
<th>WARNING MESSAGE</th>
<th>CAUSE</th>
<th>CORRECTIVE ACTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>rReE E</td>
<td>Rate Low set higher than Rate Hi</td>
<td>Set Rate Hi greater than Rate Lo</td>
</tr>
<tr>
<td>FAC Err</td>
<td>Factor = 0</td>
<td>Set in correct Factor</td>
</tr>
<tr>
<td>&quot;BAT&quot; Descriptor</td>
<td>Low Battery</td>
<td>Replace battery(ies)</td>
</tr>
<tr>
<td>E toRL</td>
<td>Total rollover</td>
<td>None required</td>
</tr>
<tr>
<td>E rReE</td>
<td>Rate exceeds 59999</td>
<td>Use lower rate dec point</td>
</tr>
<tr>
<td>E Pulse</td>
<td>Pulse out Overflow</td>
<td>Use different pulse scaler or totalizer decimal point</td>
</tr>
</tbody>
</table>

ANALOG OUTPUT CALIBRATION

Full Scale Adjust:

The 4-20 mA has been accurately set to 20.000 mA by the factory. No adjustments should be required.

The 4-20 mA output may be verified periodically by installing a digital millamp meter in series with the analog output and simulating a full scale or over range flow rate.

The Full scale adjustments may be trimmed to 20.000 mA +/- .020 mA if required. To adjust, locate the span adjust potentiometer mounted on component side of PCB, above the display to the left (rear view). Turn clockwise to increase the current output, counter-clockwise to reduce.

The 4 mA is set automatically.
WARRANTY

This product (excluding batteries) is warranted against defects in materials and workmanship for a period of two (2) years from the date of shipment to Buyer.

The Warranty is limited to repair or replacement of the defective unit at the option of the manufacturer. This warranty is void if the product has been altered, misused, dismantled, or otherwise abused.

ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, ARE EXCLUDED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

How To Order

Example: HIT-2 3 C

Series

Mounting

*1 = Panel Mount
2 = NEMA 4X Box with unit mounted behind clear cover
3 = Explosion Proof Housing
5 = NEMA 4X Box with unit mounted on opaque cover

Power Supply

*A = Battery
B = External Power Supply (8.5 to 30 VDC)
C = Loop Powered with 4-20 mA Output
A/C = Loop Powered with 4-20mA output and dual battery backup

Options

4 = 10 Point Linearization
ET = Extended Temperature: -22°F to +158°F (-30°C to +70°C)

Accessories

BATPACK = External Battery Pack with Two C Size Batteries & 12" leads
BATC = Single Tadiran P/N TL2200/S 3.6V 5500mAh or equal
115-24 = 115 VAC to 24 VDC power supply

* External battery pack supplied with model HIT-21A