HORNER SMARTSTACK EXACT-MODEL PRODUCT

# HE800ADC020

HE800ADC020 is a Horner SmartStack metal two-channel 12-bit current input module. Match the exact module, selected current range, loop wiring, removable terminal, channel map, and controller configuration before replacement.

| PRODUCT FAMILY | PRODUCT TYPE |
|---|---|
| **SmartStack Metal I/O** | **2-Channel Current Analog Input Module** |

## Exact model configuration

| CONFIGURATION FIELD | VERIFIED VALUE / CHECK |
|---|---|
| Displayed model | **HE800ADC020** |
| Manufacturer | **Horner Automation** |
| Product family | **SmartStack Metal I/O** |
| Product type | **2-Channel Current Analog Input Module** |
| Input channels | **2** |
| Input ranges | **0-20.47 mA; +/-20.47 mA** |
| Resolution | **12-bit** |
| Input points required | **2** |
| Converter | **Successive approximation** |
| Maximum error at 25 C | **0.05% full scale** |
| Input impedance | **100 Ohm below 12 VDC; clamped at 12 VDC** |
| Maximum overcurrent | **35 mA** |
| Required power | **0.09 W at 24 VDC** |
| Country of origin | **USA** |

## Application fit

- Use only with a documented compatible Horner OCS and SmartStack metal I/O installation.
- Match the exact catalog number, removable terminal, signal range, channel count, and Cscape I/O map before replacement.
- Isolate applicable power, preserve wiring records, and validate every affected analog point before returning the machine to service.

| PRODUCT-SPECIFIC REFERENCE | INSTALLATION NOTE |
|---|---|
| Horner MAN1253 identifies HE800ADC020 as the two-channel metal SmartStack current-input configuration for 0-20.47 mA or bipolar current signals. | Record both loop ranges, polarity, shields, commons, filter settings, and scaling before terminal transfer; then validate each channel with a calibrated current source. |

MODEL-SPECIFIC ENGINEERING REFERENCE

# Before ordering HE800ADC020

Use this page as a controlled procurement checklist. It does not replace the manufacturer instruction sheet, wiring drawing, approval certificate, or site safety procedure.

## Ordering limits and selected values

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| Product family | **SmartStack Metal I/O** |
| Product type | **2-Channel Current Analog Input Module** |
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| Input ranges | **0-20.47 mA; +/-20.47 mA** |
| Resolution | **12-bit** |
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| Converter | **Successive approximation** |
| Maximum error at 25 C | **0.05% full scale** |
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| Maximum overcurrent | **35 mA** |
| Required power | **0.09 W at 24 VDC** |
| Country of origin | **USA** |

## Procurement checklist

- Confirm HE800ADC020 on the supplied metal-case nameplate.
- Record both current ranges, scaling, filter constants, and loop polarity.
- Confirm controller compatibility, SmartStack position, and the saved Cscape project.
- Inspect loop wiring, shielding, grounding, and removable terminal condition.
- Commission both current inputs across representative values and retain results.

**DIRECT SALES INQUIRY**

Send the full model **HE800ADC020**, quantity, delivery country, and a clear nameplate or installed-module photo.

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## Source and document status

| | |
|---|---|
| **Technical basis** | Horner Automation HE800ADC020 / HE800ADC120 Data Sheet MAN1253 and SmartStack Metal I/O product page. |
| **Publisher** | Moore Automation - independent industrial automation supplier. |
| **Document status** | Independent product manual; not a manufacturer-issued datasheet, conformity certificate, or calibration certificate. |
| **Important** | Verify the complete nameplate, suffix, carrier or terminal hardware, wiring, approvals, and installed-system compatibility before ordering. |