

# Spectrum Controls / Schneider Electric I/O Cross-Reference Guide

## Quantum I/O

Schneider Catalog No.	Spectrum Catalog No.	Spectrum Description	Functionality
140 ACI 030 00 140 AVI 030 00 140 ATI 030 00 140 ARI 030 00	140 AUI 040 00sc	16 Channel Universal Analog Input	<b>Mix thermocouple, voltage, current and RTD input types.</b> The 16 channels are divided into four groups. Each group supports up to 4 voltage/current/thermocouple inputs or two RTD inputs. Each is individually configurable for data format and filter frequency. Ideal for applications requiring multiple analog input types in a single control panel.
140 ACI 030 00 140 AVI 030 00	140 ACI 051 00sc 140 AVI 052 00sc	32 Channel High High Density Analog Input (Optional Time Stamp)	<b>Lowest price per point available.</b> Mix current and voltage inputs; 16 bit resolution, on-board auto-calibration and error checking. User selectable input filters allow maximum speed with minimum noise. Optional time stamp provides acquisition log for critical data.
140 EHC 202 00 140 EHC 105 00	140 EHC 204 00sc 140 EHC 208 00sc	Counter / Flow 4 or 8 Channels	<b>Ideal for turbine flowmeter and counter applications requiring AC or DC input types.</b> Each version supports incremental, single-ended counter inputs or quadrature counters by combining channel pairs. Turbine flowmeter inputs can include K factor and can be configured for meter proving.
None	140 MPM 204 00sc	4 Channel Flow Meter Proving	<b>Provides Quantum PLCs with flow computer functionality.</b> Four channels; each easily configured for AC or DC signals. Supports pulse fidelity checking and double chronometry for meter proving. Combine with the Universal Analog Input and Modicon Function Block for flow computer functionality with PLC reliability.