



DB 25-pin connector

Scale input

788P

High-Speed Scale Input Card

- **8 digital outputs and 4 digital inputs** - included on each Cardinal "P" card.
- **I/O is realtime** - running independently from the application software.
- **High speed serial output 200 times per second** - monitoring gate closures or process controls.
- **Up to 8 scale cards per Cardinal 700 series indicator.**
- **Supporting up to 39 each of 350-Ohm load cells.**
- **Up to 14 350-Ohm load cells per one "P" card.**

Cardinal's high speed scale card provides you best of weighing and process control in one convenient package. At 200 samples per second, in conjunction with built in I/O for peripheral device controls, you can configure the 700 series indicator for optimum speed for your operational needs.



788P HIGH-SPEED SCALE INPUT CARD



Designed for multiple scale applications, the 788 indicator can support and display up to 8 scales. Cardinal can assist you with specialized software for your application.

The 788P card has two external connectors; a 25 pin "D" type for connection to external I/O functions, pictured to the left top, and a 9 pin "D" type connector for connecting to strain gage weigh transducers, pictured to the left bottom. It also includes provisions for lead-wire security seal.

IDEAL FOR HIGH SPEED:

- **BATCHING**
- **FILLING**
- **IN-MOTION CHECKWEIGHING**



SPECIFICATIONS

Temperature Range:	14° to 104° F (-10° to +40° C)
Displayed Resolution:	100 to 10,000 divisions (commercial) 240,000 divisions (maximum, non-commercial)
Internal Resolution:	16, 777, 216 divisions
Internal Connections:	(1) PIB (16 pin DIL) and (1) power (4 pin SIL)
External Connections:	one (1) DE-9S Load Cell connector one (1) DB-25P Remote I/O connector
Sample Rate:	selectable 1 to 200 samples per second
Auto Zero Range:	0.5 divisions or 1 through 9 divisions
Load Cells:	Up to 14 350-Ohm load cells (with sense) per card Up to 39 350-Ohm load cells per 700 indicator
Excitation Voltage:	10.75 VDC
Signal Input Range:	1.0 mV min. to 40 mV max. (with dead load boost)
Division Value:	Programmable
Card Address Range:	0 to 15 (jumper selectable)
Load Cell Cable Length:	1500 feet maximum. Consult factory for other requirements 30 feet maximum without sense lines

SENSITIVITY:

NON-COMMERCIAL	0.15uV/e
NTEP	0.3uV/e (Class III/IIIL)
CANADA	0.3uV/e (Class III/IIHHD)
OIML	0.75uV/e (Class III)

SCALE DIVISIONS:

NON-COMMERCIAL	100 to 240,000
NTEP	100 to 10,000 (Class III/IIIL)
CANADA	100 to 10,000 (Class III/IIHHD)
OIML	100 to 10,000 (Class III)



Cardinal Scale reserves the right to improve, enhance, or modify features and specifications without prior notice.

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