

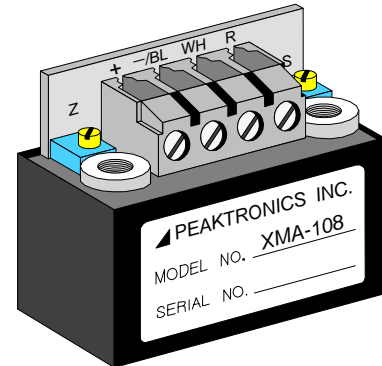
▲ PEAKTRONICS

XMA-108

4-20mA Slide Wire Transmitter

The Peaktronics XMA-108 is a low cost transmitter that converts a slide wire (with total resistance of 100 ohms to 10K ohms) to a 2-wire 4-20mA current loop. The unit features a log rate function that is especially useful in boiler level controls where the slide wire is used to control a feed water actuator positioner. The log rate function averages rapidly changing signals to reduce unnecessary hunting for position.

An onboard CAL switch bypasses the log rate function to allow for faster calibration and setup. To calibrate the unit, set the float to its *high level* position, push and hold the CAL push button, and adjust the "ZERO" trimmer for a 4mA output. Then set the float to its *low level* position, push and hold the CAL push button, and adjust the "SPAN" trimmer for a 20mA output. After releasing the CAL push button, the XMA-108 will begin averaging the float level and will take approximately 60 seconds to achieve final position.



SPECIFICATIONS

POWER REQUIREMENTS

Minimum Voltage	6 VDC
Maximum Voltage	28 VDC
Maximum Reverse Voltage	40 VDC
Maximum Power Dissipation	0.56 W

INPUT IMPEDANCE: 100K ohms

OUTPUT SPECIFICATIONS

Zero Output, 4.0 mA	input = 0 VDC (factory setting) / 0 to 0.01 VDC (adjustable)
Full Scale Output, 20.0 mA	input = 0.2 VDC (factory setting) / 0.14 to 0.2 VDC (adjustable)

ACCURACY

Zero	±0.1% @ 25 °C
Span	±0.1% @ 25 °C

ENVIRONMENTAL

Operating Temperature Range	0 to 85 °C
Storage Temperature	-40 to 85 °C
Relative Humidity	0 to 90 % (non-condensing)

ENVIRONMENTAL STABILITY

Zero	0.010% of zero per °C maximum
Span	0.015% of span per °C maximum

