

## RD301 Force readout



- ❑ **Rugged compact package**  
*... fits into difficult locations*
- ❑ **Field programmable**  
*... sets up in minutes*
- ❑ **Direct force readout**  
*... calculates ram force from hydraulic pressure*

The RD301 is an industrial grade display equipped with a programmable micro controller. Two pressure transducers are used to measure the A and B port pressures of a hydraulic cylinder. Enter the cylinder measurements ( bore, rod dia, max sensor psi ) into the RD301. A resulting calculation of the total force being applied by the ram is displayed in pounds. The RD301 features a pushbutton for the operator to zero out the currently displayed force, allowing the operator to track the force above or below a specific reference point.

The RD301 readout module offers several setup options to display the; Force diff. (A-B), Force (A), Force (B), PSI (A), PSI (B). The RD301 includes a RS232C comm. port option. Typical applications are; hydraulic presses, drilling rigs, cable pulling, lamination processes, material handling, testing, etc.

### Specification:

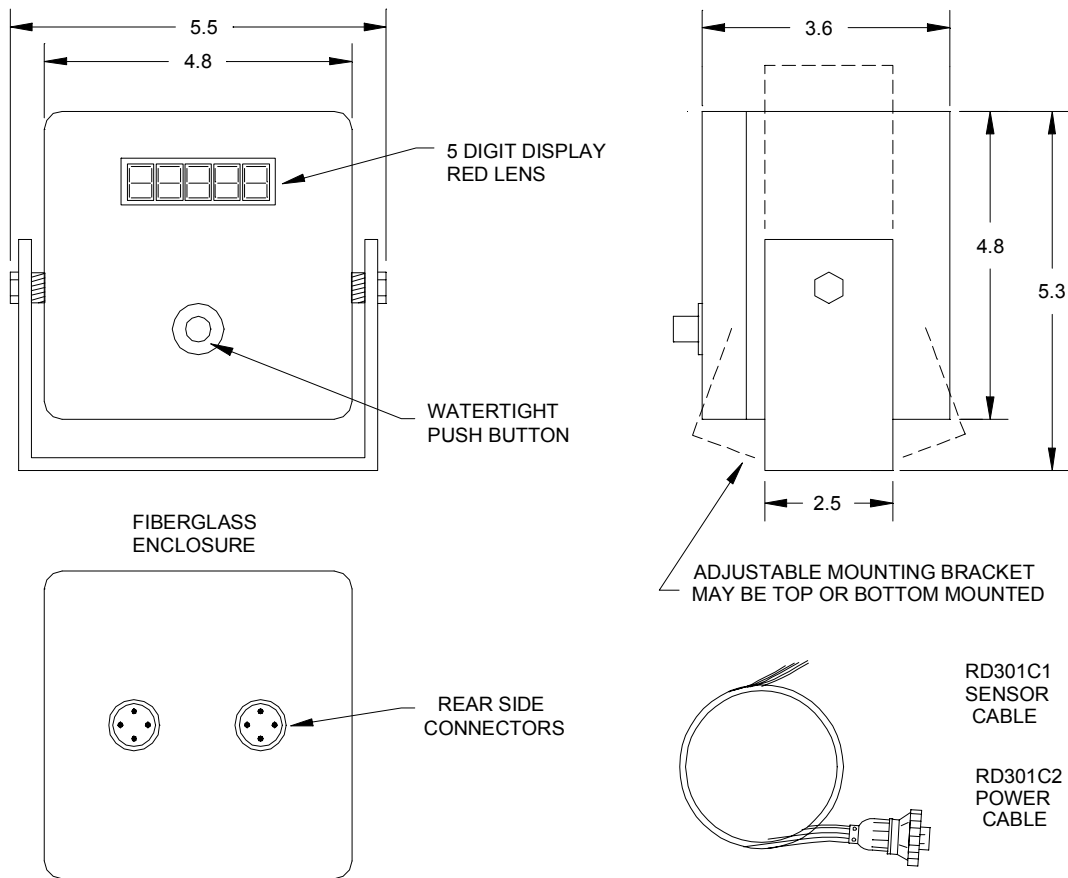
- ◆ Operating voltage: 10-32 vdc
- ◆ Inputs: two pressure transducer inputs, 500 - 20000 max psi, 0-5 vdc, 0-10 vdc, 4-20 ma
- ◆ Cylinders: 1-4 cylinders (in parallel), piston dia. 2" to 14", rod dia. 1"-7"
- ◆ Display: five digits, 7-segment LED, 1/2" height
- ◆ Electrical interface: Rear panel mounted, circular twist lock type, sealed
- ◆ Enclosure: Nema 4X, non-corrosive, sealed, w/ mounting U-bracket
- ◆ Programming: Self contained programmer interface, user keys located inside

**RD301E1A**

# RD301

## MECHANICAL

ALL DIMENSIONS ARE IN INCHES



## ELECTRICAL

