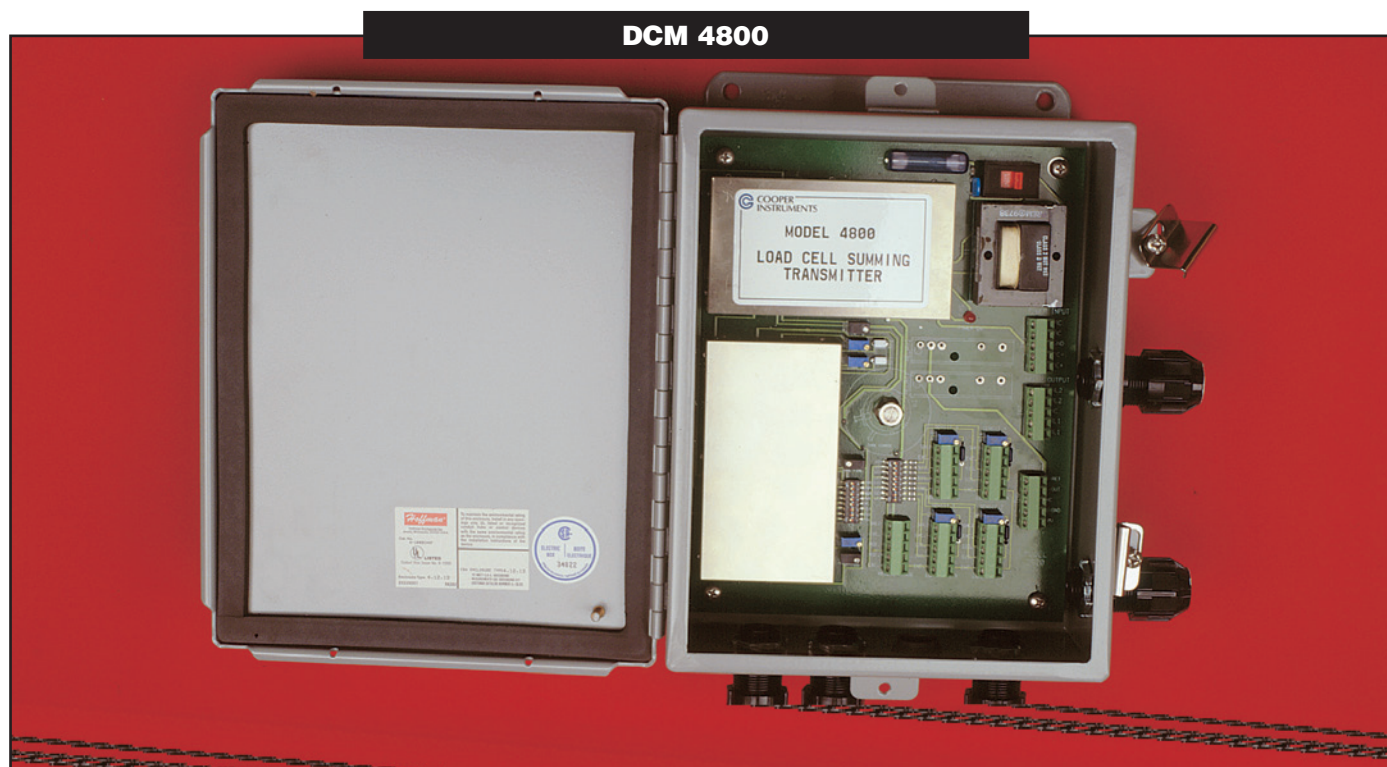


DCM 4800 - LOAD CELL SUMMING TRANSMITTER

The model DCM 4800 is an AC or DC powered summing transmitter for up to four load cells with output options of 0-20 mA, 4 to 20 mA or 0-10 Vdc. All input/output options are included on the board so there is no need to specify input/output parameters with the DCM 4800. The DCM 4800 has a built-in excitation supply capable of delivering up to 120 mA at 10 Vdc. The DCM 4800 offers three way isolation, input to output and power, eliminating unwanted ground loop problems. Overall accuracy over the normal room temperature range is excellent at $\leq \pm 0.1\%$. Designed with large tare offset requirements in mind, the DCM 4800 can tare off up to 80% of the output of a 3 mv/v load cell at 10 Vdc excitation. If high/low setpoint, alarms/controls are desired, the DCM 4800 board is laid out to accept Opto-22 output relays. Potentiometers are accessible to adjust the high and low trip points.

- **SUMMING OF UP TO 4 LOAD CELLS**
- **5 MV TO 50 MV INPUT RANGE**
- **AC OR DC POWER CAPABILITY**
- **VOLTAGE OR CURRENT OUTPUT**



SPECIFICATIONS

GENERAL

- CHANNELS: 1
- TEMPERATURE (Operating): -13° to 131°F
- MATERIAL: NEMA 4 Box or No Enclosure
- POWER REQUIRED: 115 Vac, 230 Vac or 11 to 30 Vdc

TRANSDUCER

- EXCITATION: 5 to 10 Vdc
- INPUTS ACCEPTED: 5 mv to 50 mv
- CALIBRATION METHOD: Potentiometer
- BRIDGE RESISTANCE: 350 ohm

AMPLIFIER

- ACCURACY: Less Than 0.1% F.S.
- ANALOG OUTPUT: 0-20 mA, 4-20 Ma or 0-10 Vdc

PHYSICAL

- WEIGHT: 10.5 lb
- DIMENSIONS: 12.5" x 9" x 4.4"