

Our customer operates a trucking company and requires a printed record of the weight of the load being carried on each truck. Texmate installed a Tiger 320 Series DI-50E controller with a permanently connected serial printer and two remote pushbutton switches.

The controller is connected to the weighbridge, calibrated to read in the appropriate engineering units, and programmed for the remote tare functions with all non-application codes blanked out.

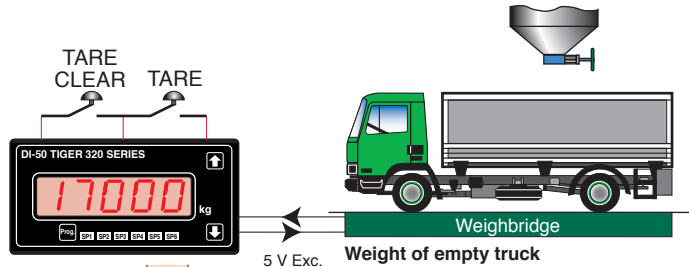
The output from the weighbridge load cells is fed to the controller's input signal conditioner. The controller is programmed to tare the weight of the empty truck on the weighbridge before weighing the truck and its payload. The truck and its payload are then weighed providing a payload weight only.



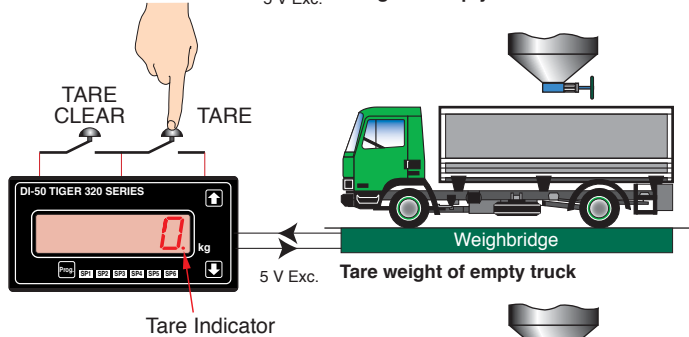
APPLICATION FUNCTIONS

**AUTOTARE TO OBTAIN PAYLOAD FROM A WEIGHBRIDGE WITH PRINTOUT**

1 Place the empty truck on the weighbridge. The meter displays the weight of the empty truck.



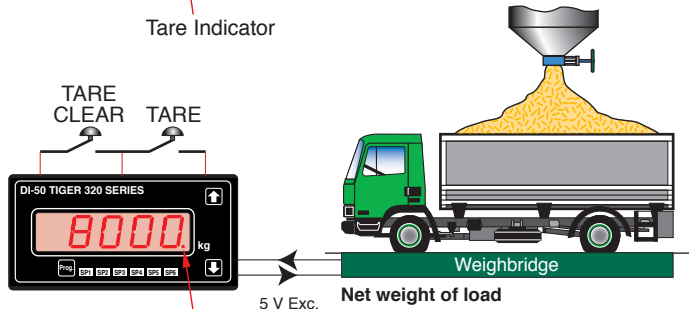
2 Press the TARE remote pushbutton to tare the weight of the empty truck. The meter displays 0 and the tare indicator lights up.



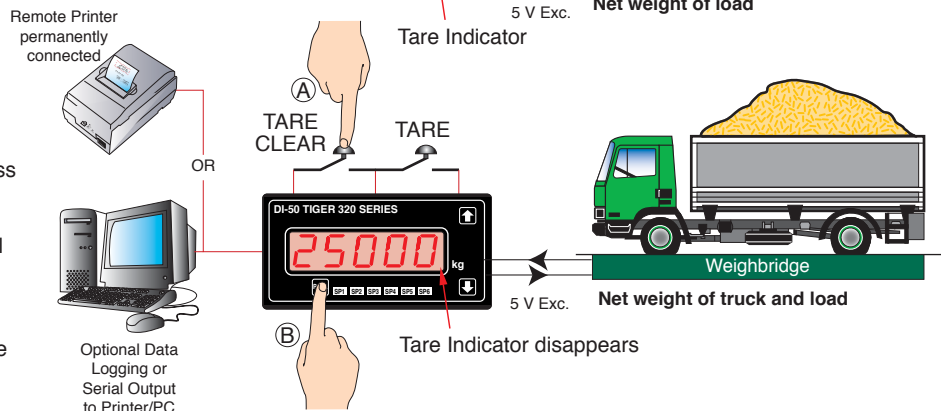
**APPLICATION VARIATIONS**

- The meter can be set to read in either tons or pounds, metric tonnes or kilograms, or load dollar value.
- A Texmate alphanumeric DI-60AT meter can be used to customize the display text to suit the application.
- Setpoints can be used to control the truck filling process. Up to six relays are available for batching operations.

3 Place the load into the empty truck. The meter displays the weight of the load only.



4 Press the TARE CLEAR remote pushbutton. The meter displays the gross weight of the truck and load. Press the PROGRAM button. The programmed critical weights are printed at the end of the weighing process with a time and date stamp.



Serial Outputs

REGISTER RESETS

INPUTS

LOAD-CELL PRESSURE

Suggested Ordering Code Options for This Application

Basic Order Codes	Comments
DI-50E-DR-PS1-ISS1-S2	Tare and Clear Tare function. Serial Comm. to Print or Data Log on PC