

# DIGI-TRAM

## DF-3D Digital Measuring Tram

Thank you for your purchase of the DF-3D, digital measuring tram gauge. This rugged tram is easy to use, please take a few minutes to review the following directions. Your tram is protected under a full one year limited warranty. Please keep your tram clean, dry and in the protective storage case. Be aware that the tram conducts electricity and you should be careful not to extend the tram into electrical power wires. Electric shock can be fatal. The DF-3D re-calibrates itself every time it is turned on. The reading should start at 1050 mm. If the ERR message is displayed then the tram is not fully closed. The pointers should be checked periodically to make sure that they are true. Simply roll them on any flat surface. If they wobble, they need to be straightened or replaced.

Note: In order to measure smaller distances than the collapsed tram bar: 1. Close tram fully. 2. Set center slide so leading edge lines up with 400mm scribe mark. 3. Depress zero button- to zero out LCD reading. 4. Extend tram to desired length 5. Add 400mm to displayed measurement.

### How to use functions:

Memory:

The DF-3D Digi-Tram has ten levels of memory. To enter measurements into memory depress the ENT button.



Press ENT each time you have new measurement to save. To view a saved measurement, depress the HOLD button for two

seconds, then use the < > buttons to scroll through memories to 10. To return to normal measuring mode, depress HOLD again. To clear the memory, turn the tram on while depressing the ZERO button. CLR will appear, push ENT to, accept. END will appear, now push the ON/OFF button to set. Memory saved using ENT continues to be saved with the tram turned off. In order to save battery power the tram turns off after a few minutes of non-use.

Metric and Standard US measurements:

Measurements can be made in millimeters, inches and 100th of an inch, feet, inches and 1/16th of an inch or feet and 1 000th of a foot. To change method of measurement, turn tram on while depressing the ENT button. SET will appear, push ENT again and the measurement indication will change. When desired type of measuring is displayed push ON/OFF to set.

Measuring from 400mm to 1050mm:

Review Note above. When set up the measurement between the center pointer and the telescoping end is 400mm. Whatever measure is displayed in the LCD (after initially zeroing) must be added to the 400mm for the correct distance.





### Function Buttons:

#### ON/OFF

Switches power on and off. Tram must be fully closed or ERR message will appear. Tram automatically turns off after three minutes of non-use.

#### ZERO

This button will zero out the LCD with tram in any position. This function is useful for comparison measurements where only the difference between two points is required.

#### HOLD

After depressing this button the measurement that is currently displayed by the LCD will be held while closing the tram. When in use an "H" is displayed. Memory is not held when the tram is turned off.

< >

Arrow Keys are used to move through measurements stored in memory.

#### ENT

Depressing the enter button allows measurements to be entered into memory. Depressing the ENT button while simultaneously turning the tram on changes the tram from metric measurements to feet and inches.

#### LIGHT

Illuminates LCD while depressed.