



Instruments

TORQUE INSTRUCTIONS

FM1050 (7600) / FM1000 (7200)

#### RECOMMENDED TORQUE SCREWDRIVER

Utica Model TS-35 with a 5/32" shallow groove hex bit. Range of 0-36 in-lb.

#### HOW TO OPERATE (APPLIES TO TS-35 MODEL ONLY)

To set any torque pull the lock collar toward the handle and turn the adjusting knob to the desired setting. Torque setting is the sum of readings of the major scale and the minor scale. Release the lock collar.

The 5/32" hex bit fits the compression screw located at one end of the meter. Turn torque screwdriver clockwise until it clicks. This will indicate that the desired torque setting has been attained.

#### NOTE:

Do not overtighten compression screw. Damage to seals and glass tube could occur. Leaks could develop due to undertightening the compression screw. If this occurs, follow correct procedure and use the proper setting given in torque specification table.

#### TORQUE SPECIFICATION TABLE

| <u>SEAL TYPE</u> | <u>TUBE TYPE</u> | <u>TORQUE<br/>(IN-LB)</u> | <u>MAXIMUM<br/>(IN-LB)</u> | <u>MINIMUM<br/>(IN-LB)</u> |
|------------------|------------------|---------------------------|----------------------------|----------------------------|
| Viton            | ALL              | 18                        | 20                         | 16                         |
| Euna             | ALL              | 16                        | 18                         | 14                         |
| EPR              | ALL              | 10                        | 12                         | 8                          |
| Teflon           | ALL              | 24                        | 26                         | 22                         |

After flowmeter has been set to proper torque specifications, follow Matheson Instruments installation and start up instructions for FM1000 and FM1050.

#### WARNING:

Failure to follow these instructions will void the warranty.