

- 1) Check the meter for damage due to transportation and handling. The Turbine wheel should rotate freely.
- 2) Check the flow direction, as indicated on the type plate. For pm and T tapping see figure 1.
- 3) The installation must be free of dirt, welding beads and pipe scale. The piping on the inlet side of the meter must be clean. It is recommended to install a flat 160 mesh filter upstream of the meter.
- 4) The meter must be installed free of piping strain.
- 5) Level the meter side-to-side and front-to-back
- 6) The maximum torque on the flange bolts is: M16 (5/8"UNC) → 130 Nm , M20 (3/4"UNC) → 180 Nm fasten the bolts crosswise.
- 7) The index can be rotated for about 350 degrees.
- 8) Pressurize the meter with care to avoid overloading. The pressure change should never exceed 500 mbar/sec.
- 9) Connect the electrical pulsers in accordance with the connection diagrams fig. 2-3 The connector is in conformance with IP67 as long as the companion plug of the protection cap is connected.
- 10) Check the meter to determine there is no vibration
- 11) Before starting up the meter, Lubricate with the amount stated on the oil bottle from the pump.

#### PRECAUTIONS:

- Never use the meter as a distance piece during welding.
- The meter should be transported and stored in a horizontal position.
- Use only devices with electrical characteristics as recommended (connection diagram)
- The maximum torque on the p-pm connection is: 30 Nm.
- To tighten the coupling. Use 2 wrenches against tuning of the p-pm connection.

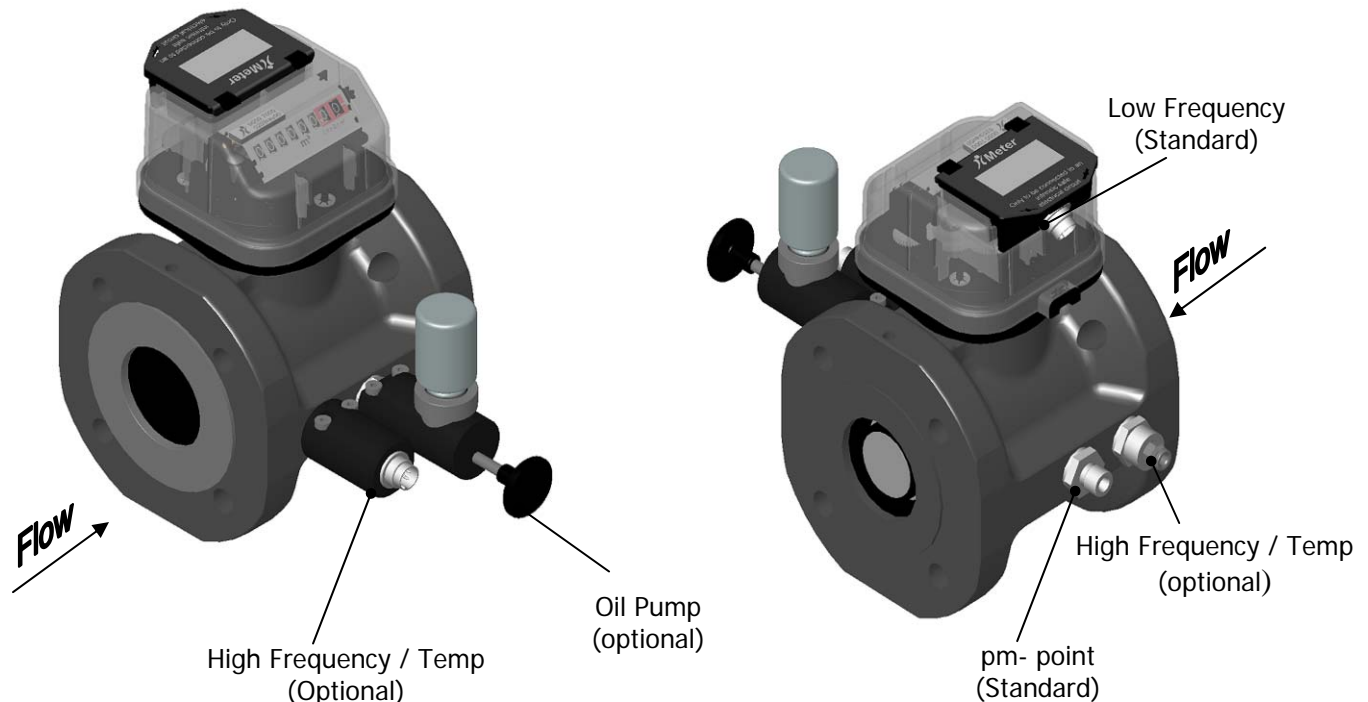
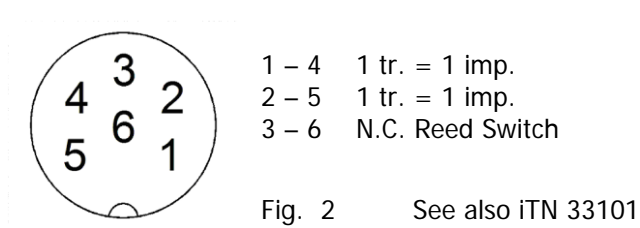


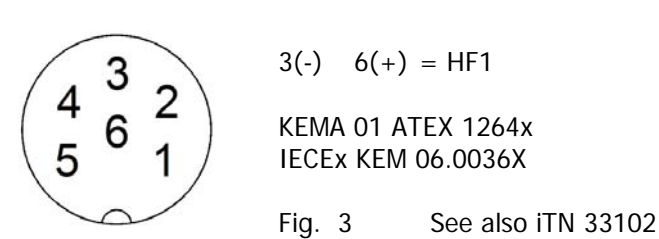
Fig. 1

## ELECTRICAL CONNECTIONS (only to be connected to an intrinsic safe electrical circuit):

Pin configuration - Low Frequency (from Pulse Box at Index)



Pin configuration - High Frequency (from Main Shaft)



Pin configuration - High Frequency (from Turbine Wheel)

