

KOBOLD TURBINE WHEEL FLOW METER MEASURES AND MONITORS LIQUIDS



Within Comtest Group Company Instrotech's well-known Kobold range of flow meters is the DRB turbine wheel model which is used for measuring and monitoring liquids. Applications includes cooling water, general mechanical engineering, waste water treatment and in the chemical industry.

For measuring ranges of 5 – 30 to 50 – 750 l/min, the DRB flow meter operates using the blade wheel principle. The four vane blade wheel is retained radially in a high-quality sapphire bearing. The sensor is supplied ready-to-install with pipe fittings or with weld-on sleeves. The blade wheel is set in motion by the flowing medium. Magnets are embedded hermetically in the ends of the blade wheels and the magnets generate electrical pulses in a Hall-effect sensor mounted outside the flow. Maximum pressure is 16 BAR and maximum temperature is at 80°C.

The DRB complies with IP65 protection standard and two material options of aluminium bronze or stainless steel are available. Connection is via G½" to G3 female thread or ½" NPT to 3" NPT female thread. Outputs are pulses, 4-20mA, LED display and contacts.

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