

Product Name :
Miniature Propeller Probes**Product Code :**
Hydraulics0008**Description :**

Miniature Propeller Probes

Technical Specification :

Miniature Propeller Probes

Description of Miniature Propeller Probes

The sensing head consists of a 5-bladed propeller that runs in jewelled bearings. The propeller is able to rotate freely within a protective shrouded cage. An insulated gold electrode terminates 0.1mm from the tip of the rotating blades and detects the change in electrical impedance as each blade passes. As there is no physical contact between the electrode and blade, the propeller can rotate freely and respond to low

velocity of the surrounding fluid.

Specification of **Miniature Propeller Probes**

- Rotor: 11.6 mm diameter, machined plastic (balanced)
- Spindle: Hardened stainless steel with conical ends
- Bearings: Synthetic sapphire vee jewels
- Cage: Nickel plated bronze
- Stem: Stainless steel
- Electrical connector: Co-axial
- Weight: 0.20kg
- Immersion length: 420mm maximum

Electrical and Electronics

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