

- (g) Communication interface : Optional second current output, Modbus or Profibus communication interface
- (h) Alarms : Two volt free contacts of at least 24V d.c. 1A rating for high concentration alarms
- (i) Calibration : Fully automatic two-point calibration, plus manual initiation on demand both at local or remote
- (j) Calibration period : Automatic, time selectable in the order of 24 hours
- (k) Self cleansing period : Auto-cleansing, time selectable in order of 24 hours, if applicable
- (l) Power supply : 220V $\pm 6\%$, 50Hz $\pm 2\%$

3. CONSTRUCTION

The electronic components of the monitoring equipment shall be housed in an enclosure of a degree of protection IP54 to IEC 60529 or above. Exposed components shall be corrosion-proof suitable for tropical use.

4. INFORMATION FOR ASSESSMENT

The following information of equipment particulars shall be provided for assessment:

- (a) The measurement method and service life of the sensing elements;
- (b) Calibration method and details of calibration equipment;
- (c) The type and quantity of standard solutions and any other necessary reagents required for one-year continuous operation;
- (d) Details of in-line filter and minimum head and flow of sampled water required;
- (e) Brochure, datasheet and/or O&M manual with details on particulars specified in Section 2 above; and
- (f) A price list for standard solutions/reagents/spare parts.

5. ACCESSORIES

The following accessories shall be supplied with the monitoring equipment:

- (a) Standard solutions and any other necessary reagents required for one-year continuous operation;

- (b) One set of spare sensing probes;
- (c) One set of spare in-line filter; and
- (d) One set of consumables. (e.g. tubings, seals etc.)

- End of this Specification -