



# ICON INSTRUMENTS COMPANY

## MICROCONTROLLER BASED DIGITAL DO METER

### Technical Parameters :

|                     |   |                    |
|---------------------|---|--------------------|
| Function            | DO & temperature simultaneously                 |                    |
| Display             | 16 character x 2 lines alphanumeric BL LCD      |                    |
| Power supply        | 230 V ± 10% 50 Hz AC                            |                    |
| DO                  |   |                    |
| Range               | 0 to 20 ppm                                     |                    |
| Resolution          | 0.1 ppm   |                    |
| Accuracy            | ± 2% ± 1 digit                                  |                    |
| Pressure adjustment | 0 to 999 mm of Hg Manual By default 760         |                    |
| Temp.compensation   | 0 to 50°C Auto with temp probe/Manual with keys |                    |
| Salinity Correction | 0 to 20 mg/l (Manual) By Default (00)           |                    |
| Calibration         | Auto as well as manual 2 point                  |                    |
| Temperature Range   | - 20.0°C to 200°C                               |                    |
| Resolution          | 0.1°C   |                    |
| Accuracy            | ± 0.1% of range ±1 digit                        |                    |
| Calibration         | two point manual                                |                    |
| Sensors             | Pt100 probe                                     |                    |
| Data entry          | By soft touch keys with audible sound           |                    |
| Storage             | 1000 samples                                    |                    |
| Real time display   | 24 Hour mode with Date                          |                    |
| Interface           | RS-232, Centronics & computer                   |                    |
| Print format        | All Data  |                    |
|                     | Date Wise                                       |                    |
| Digital output      | Serial RS-232 Parallel Centronics               |                    |
| Accessories         | DO probe  | Instruction Manual |
|                     | Dust cover                                      | Temp Probe         |
|                     | KCL, Sodium Sulphite Salt                       | DO Membrane(10)    |



| DATE     | TIME  | TEMP(DegC) | PARAMETER   | MODE  | SP.No |
|----------|-------|------------|-------------|-------|-------|
| 12/12/08 | 11:18 | T= 020.0   | DO=00.0 ppm | MANUL | 001   |
| 12/12/08 | 11:19 | T= 020.0   | DO=08.0ppm  | MANUL | 002   |

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