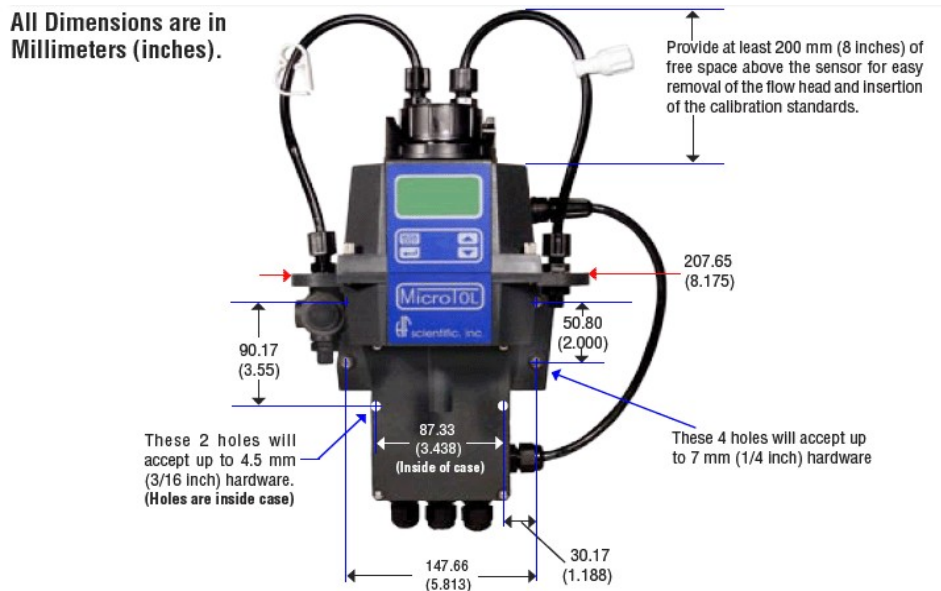HANLEY CONTROLS
CLONMEL

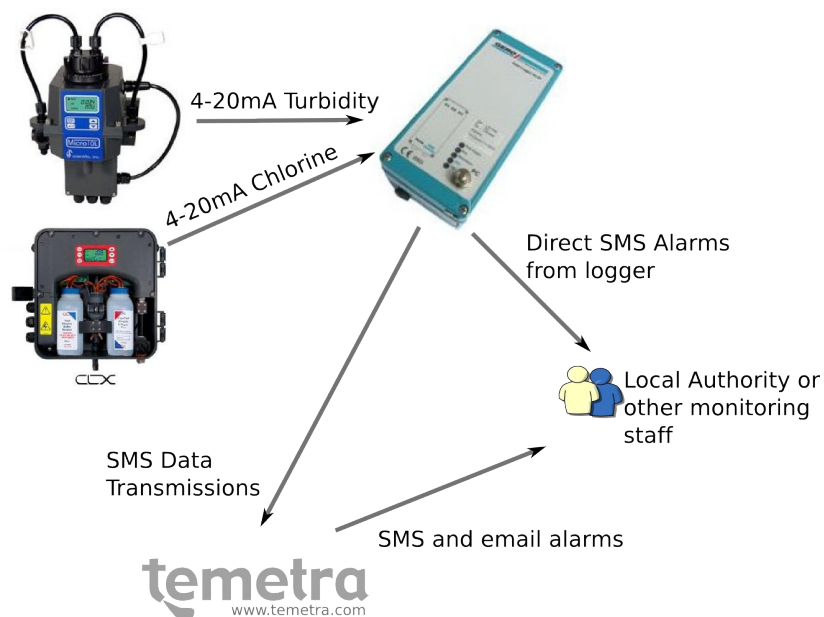HF scientific, inc.

# HF Scientific MicroTol

To satisfy the increasing demands on water quality monitoring, Hanley Controls Clonmel are now in a position to offer on-line water quality monitoring instruments & systems. Such measurements as **turbidity, chlorine level, colour & UV % transmission** can easily achieved on-line at very competitive prices.

Our HF scientific range of instruments offer standard electrical outputs to which we can connect our GSM logger transmitting back to our well established Temetra water management system. Temetra is used very extensively throughout the country as a meter reading, management & billing system and also for logger monitoring & real time alarming & control.

All Dimensions are in Millimeters (inches).

Provide at least 200 mm (8 inches) of free space above the sensor for easy removal of the flow head and insertion of the calibration standards.

207.65 (8.175)

50.80 (2.000)

90.17 (3.55)

These 2 holes will accept up to 4.5 mm (3/16 inch) hardware. (Holes are inside case)

87.33 (3.438) (Inside of case)

These 4 holes will accept up to 7 mm (1/4 inch) hardware

147.66 (5.813)

30.17 (1.188)

Parameters such as turbidity can be constantly recorded & any 'out of tolerances' can be set to activate & alarm immediately. Temetra is web based and thus the process information can be accessed from anywhere that has an internet connection. No special hardware or software is required.

The MICRO TOL process turbidimeter allows for the measurement of the turbidity of process water on – line. The White Light MICRO TOL has been designed to meet the design criteria specified by the US EPS 180.1 on turbidity measurement. The infrared MICRO TOL was designed to meet the design criteria specified by ISO 7027 and DIN 27027 for the measurement of the turbidity of a sample. Both models have long life lamps. Some models have ultrasonic cleaning.

4-20mA Turbidity

4-20mA Chlorine

Direct SMS Alarms from logger

Local Authority or other monitoring staff

SMS Data Transmissions

SMS and email alarms

temetra
www.temetra.com

View logged data from anywhere with Internet access
Turbidity, Residual Chlorine, Reservoir Levels, Alarm history

| Measurement Range | 0-100 NTU |
| | 0-1000 NTU |
| Accuracy | +/-2% of reading or +/-0.02 NTU below 40 NTU |
| | whichever is greater? |
| Resolution | 0.0001 NTU (below 10NTU) |
| Alarms | Two programmable, 120-240VAC 2A Form C Relay |
| Analogue Output | Powered 4-20mA, 600 Ω drive |
| Communications Port | Bi-Directional RS-485, Modbus |
| Flow Rate | 100ml/min. – 1 litre/min. (.026-.26 Gal/min) |
| Power Supply | 100-240 VAC, 47 – 63Hz, 80VA |
| Regulatory Compliance And Certifications | White light Version compliant to U.S. EPA180.1 |
| | Infrared Version compliant to ISO 7027 |
| | CE Approved, ETL listed to UL 61010B-1 & |
| | ETL Certified to CSA22.2 No. 1010-1-92 |