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(54) Title: RAPID PROTOTYPING MULTIDATA ACQUISITION BOARD

(57) Abstract: A rapid prototyping experimental board characterized by practical features like programmable 5 microcontroller, Separable Liquid Crystal display, Separable data logging unit, onboard breadboard, onboard infrared receiver, onboard RGB Light Emitting Diode (7), onboard timer (10) adjustable to both a stable and mono-stable states, onboard TIP 120 transistor, on board decade counter (12), on board Red Diffused Light Emitting Diode (8), onboard shift register, onboard Darlington transistor (20), onboard tactile switches, on board potentiometers, In 10 System Programming (ISP) port (13), onboard piezo sounder (19), several input and output pins and several switches for control purpose. The board measures 15cm by 9cm by 1cm.