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<!DOCTYPE html>
<html>

  <body>

    <H2>Value from Air Quality Sensor on Microcontroller</H2>

    <p>Click Update to see number from Micro:</p>
    <button onclick="getFromMcu()">Update</button>
    <p id="TempF">Waiting...</p>
    <p id="Humid">Waiting...</p>
    <p id="Pressure">Waiting...</p>
    <p id="Altitude">Waiting...</p>
    <p id="Gas">Waiting...</p>

    <script>
      var myTimer = setInterval(getFromMcu, 10000)

      function useMcuReply(response)
      {
        var result = response.split(",")
        var value1 = document.getElementById("TempF");
        value1.innerHTML = "Temperature (F): " + result[0];
        var value2 = document.getElementById("Humid");
        value2.innerHTML = "Relative Humidity (RH): " + result[1];
        var value3 = document.getElementById("Pressure");
        value3.innerHTML = "Pressure (mmHg): " + result[2];
        var value4 = document.getElementById("Altitude");
        value4.innerHTML = "Altitude Est (Feet): " + result[3];
        var value5 = document.getElementById("Gas");
        value5.innerHTML = "Gas Sensor (ohms): " + result[4];
      }

      function getFromMcu()
      {
        httpGet("/tpfm", useMcuReply);
      }

      function httpGet(path, callback)
      {
        var req = new XMLHttpRequest();
        req.open("GET", path, true);
        req.onreadystatechange = function()
        {
          if (req.readyState == 4)
            if(req.status == 200)
              callback(req.responseText);
            else
              callback("Waiting...");
        }
      }
    </script>
  </body>
</html>

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        req.send(null);
    }
</script>
</body>
</html>
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