Application for Web-Thermograph:

Mercury thermometer

Product overview
Application overview

The value measured by the Web-Thermograph / Web-Thermo-Hygrograph can be easily visualized on a Web page using JavaScript and a few images. By incorporating the Web-Thermograph applet you ensure continuous updating of the measured value display.

Using the following copy & paste example you can display a temperature value measured by your Web-Thermograph on a Web page in the form of a mercury thermometer.

Preparations

You have already supplied your Web-Thermograph

- with power,
- connected it to your network,
- assigned it an IP address - which withWuTility is no problem.

1. Incorporate JavaScript into the Web page
Copy the JavaScript (shown in blue) from the following example into the <head> area of your Web page.

```
<html>
 <head>
  <title>Zeiger</title>
  <script language="JavaScript" type="text/javascript">
     <!--
     document.write("<a href='javascript:showgrad();'><img
     border='0' src='Thermometer.gif' style='position:absolute; top:10px; left:10px'>");
     var thermometer = new multipic(301,"Thermometer","gif",91,100,50,"showgrad");
     var grad;
     function multipic(id, img_name, img_ext, img_count, ypos, xpos, link)
      {
      img_count++;
      this.multipics = new Array( img_count );
      this.multipic_count = img_count;
      this.multipic_id = id; // class variables
      for (i=0; i<img_count; i++)
       {
       this.multipics[i] = new Image();
       this.multipics[i].src = img_name+i+'.'+img_ext;
       }
      this.Set = picSet; // class method
      if (link == "nolink")
       {
       document.write("<img id='"+this.multipic_id+"'
       style=position:absolute;top:"+ypos+"px;left:"+xpos+"px
       src="+this.multipics[0].src+" border=0>");
       }
      else
       {
       document.write("<a href='javascript:" + link + "("
       + id + ");'><img id='"+this.multipic_id+"'
       style=position:absolute;top:"+ypos+"px;left:"+xpos+"px
       src="+this.multipics[0].src+" border=0></a>");
       }
      }
     function showgrad()
      {
      alert("Aktueller Wert: "+grad+"°");
      }
     function picSet(iCount)
      {
      for (i=0; i<this.multipic_count; i++)
       {
       if(iCount==i)
        {
        document.getElementById(this.multipic_id).src = this.multipics[i].src;
        }
       }
      }
     function sensorChanged( iDevice, iSensor, iVal )
      {
      if (iSensor==0)
       {
       grad = iVal;
       if(iVal!=0)
        {
        thermometer.Set(Math.round(iVal)+20);
        }
        else
        {
        thermometer.Set(0);
        }
       }
      }
     </script>
 </head>
```

2. Incorporate applet into Web page

- Copy the applet data (shown in green) into the <body> area of your Web page.
- Insert the IP address of your Web-Thermograph.

```
<body>
 <applet name="Analog" archive="A.jar" code="A.class" codebase="http://10.40.23.16" height="0" width="0" mayscript>
     <param name="device" value="0">
     <param name="showerrors" value="off">
     <param name="sensorpolling" value="on">
     <param name="pollingrate" value="1000">
    </applet>
</body>
</html>
```

3. Download and save images

- Now all you need is the images associated with the display object, which we have provided here for downloading: .zip (approx. 232 kB). Please place the images in the directory in which the Web page with the JavaScript and applet data are located.

Previous application

Next application

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