

# TOOLS & TEST EQUIPMENT

1999

## MULTIFUNCTIONAL HAND-HELD OMNIPOINT 30



Omnipoint 30 and Probes

NEW!



### DESCRIPTION

The E + E Omnipoint 30 is a robust multifunctional hand-held device which meets the highest requirements and comes with a wide range of accurate probes that fit various applications. Use touch-screen navigation to show, up to three measurement values simultaneously on the capacitive TFT display.

Measurements include:

- **Relative humidity**
- **Temperature**
- **Dew point temperature**
- **Absolute humidity**
- **Mixing ratio**
- **Air velocity**
- **Volumetric flow**
- **Air pressure**
- **CO2**

### FEATURES

- **Data logging**
- **Internal memory for 2 million measured values**
- **Capacitive TFT touch screen**
- **Real-time HOLD / MIN / MAX / AVG readout**
- **Integrated air pressure sensor**
- **User friendly operation**
- **NIST certificate included**

### GENERAL SPECIFICATIONS

<b>Supply Voltage</b>	4 x Alkaline LR6 AA batteries	<b>Display</b>	TFT display, 2.13 x 1.61" (54 x 51 mm) illuminated
<b>Optional Power Supply</b>	5V DC via USB (cable included)	<b>Approval</b>	CE compatibility Hand-held: EN61000-6-2:2005, EN61000-6-3:2007
<b>Temperature Range</b>	Operating: Handheld and handle of sensing probe: 0 to 50°C (32 to 122°F) Storage: -20 to 60°C (-4 to 140°F)	<b>Measurement Range of Integrated Pressure Sensor</b>	Logprobe: EN61326-1:2013, EN61326-2-3:2013 800 to 1100 mbar (complete accuracy)
<b>Internal Memory</b>	For approximate 2 million measured values	<b>Accuracy</b>	Max ± 0.5 mbar (at 25°C, 1013.25 mbar)
<b>Housing Type</b>	ABS / IP40	<b>Long Term Stability</b>	Typ. -1 mbar/year
<b>Dimensions</b>	170 x 62 x 34 mm (6.69 x 2.44 x 1.34")	<b>Warranty</b>	1 year
<b>Weight</b>	0.45 lbs		

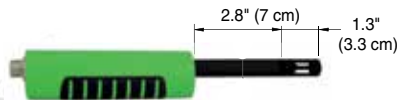
### DIMENSIONS AND SPECIFICATIONS

<p><b>Air Velocity Probes</b></p> <p><b>LOGPROBE60/61 - stainless steel probe</b></p>	<p><b>LOGPROBE60</b></p> <p>Working range: 0.2 to 20 m/s (40 to 4000 ft/m) -4° to 158°F (-20° to 70°C)</p> <p>Accuracy: +/- 0.02 m/s (39 ft/m) + 2% of m.v</p> <p>Response time: &lt; or = 1.5 seconds</p> <p><b>LOGPROBE61</b></p> <p>Working range: 0.08 to 2.0 m/s (15 to 400 ft/m) -4° to 158°F (-20° to 70°C)</p> <p>Accuracy: +/- 0.04 m/s (8 ft/m) + 1% of m.v</p> <p>Response time: &lt; or = 1.5 seconds</p>
<p><b>LOGPROBE65 - polycarbonate probe</b></p>	<p><b>LOGPROBE65</b></p> <p>Working range: 0.2 to 20 m/s (40 to 4000 ft/m) -32° to 122°F (0° to 50°C)</p> <p>Accuracy: +/- 0.02 m/s (39 ft/m) + 3% of m.v</p> <p>Response time: &lt; or = 1.5 seconds</p>
<p><b>CO2 Probe</b></p> <p><b>LOGPROBE802/805/810 - polycarbonate CO2 probe</b></p>	<p><b>LOGPROBE802</b></p> <p>Working range: 0 to 2000 PPM</p> <p>Accuracy: &lt; +/- (50 PPM +2% of measured value)</p> <p>Warm-up time: 3 min</p> <p><b>LOGPROBE805</b></p> <p>Working range: 0 to 5000 PPM</p> <p>Accuracy: &lt; +/- (50 PPM +3% of measured value)</p> <p>Warm-up time: 3 min</p> <p><b>LOGPROBE810</b></p> <p>Working range: 0 to 10000 PPM</p> <p>Accuracy: &lt; +/- (50 PPM +5% of measured value)</p> <p>Warm-up time: 3 min</p>

## MULTIFUNCTIONAL HAND-HELD OMNIPOINT 30

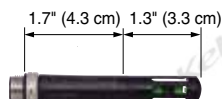
### SPECIFIC SPECIFICATIONS

#### LOGPROBE16 - polycarbonate HVAC probe for Temperature and Humidity



Working range: 0 to 100% RH / -4° to 150°F (-20° to 70°C)  
Accuracy: +/- 2% RH (0 to 90% RH) / +/- 3% RH (90 to 100% RH)  
Response time: < or = 7 seconds

#### LOGPROBE20-HTPC / LOGPROBE-HTPA - compact, pluggable HVAC probe



Working range: 0 to 100% RH / -40° to 176°F (-40° to 80°C)  
Accuracy: +/- 2% RH (0 to 90% RH) / +/- 3% RH (90 to 100% RH)  
Response time: < or = 30 seconds

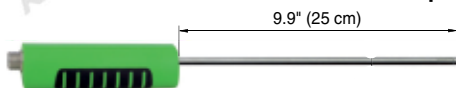
##### LOGPROBE20-HTPC

Response time: < or = 30 seconds

##### LOGPROBE20-HTPA

Response time: < or = 10 seconds

#### LOGPROBE30 - stainless steel for Temperature and Humidity



Working range: 0 to 100% RH / -40° to 212°F (-40° to 100°C)  
Accuracy: +/- 2% RH (0 to 90% RH) / +/- 3% RH (90 to 100% RH)  
Response time: < or = 15 seconds

#### LOGPROBE31 - stainless steel for high Temperature and Humidity



Working range: 0 to 100% RH / -40° to 356°F (-40° to 180°C)  
Accuracy: +/- 2% RH (0 to 90% RH) / +/- 3% RH (90 to 100% RH)  
Response time: < or = 30 seconds

### ORDERING INFORMATION

**MODEL**  
OMNIPOINT30  
**PLUGGABLE PROBES**  
LOGPROBE20-HTPC  
LOGPROBE802  
LOGPROBE805  
LOGPROBE810

**DESCRIPTION**  
OMNIPOINT30 Basic Device

LOGPROBE20 Response time < 30 sec.  
LOGPROBE802 CO<sub>2</sub> 0 to 2000ppm  
LOGPROBE805 CO<sub>2</sub> 0 to 5000ppm  
LOGPROBE810 CO<sub>2</sub> 0 to 10000ppm

#### REMOTE PROBES (Note: Remote probes require HA0108313 cable)

LOGPROBE16  
LOGPROBE31  
LOGPROBE30  
LOGPROBE60  
LOGPROBE61  
LOGPROBE65

LOGPROBE16 HVAC remote probe  
LOGPROBE31 High temperature probe  
LOGPROBE30 Confined space probe  
LOGPROBE60 SS Probe 0 to 4000ft/min (0.2-20m/s)  
LOGPROBE61 SS Probe 0 to 400ft/min (0.8-2m/s)  
LOGPROBE65 PolyCarb Probe 0 to 4000ft/min (0.2-20m/s)

### ACCESSORIES

HA040906  
HA040907  
HA010118  
HA010119  
HA010103  
HA010813

Carrying case  
Protective cover  
Membrane filter PC  
Metal grid filter  
Stainless steel filter  
Cable for remote probes only