HOMMEL-ETAMIC pneutamic
Programmable microprocessor based display unit for 1-5 pneumatic gages

• Used with a pneumatic gage, the pneutamic performs extremely high precision dimensional measurements
• Easy to operate, even by untrained users, no adjustment necessary
• The pneutamic is based on the principle of pneumatic measurement and therefore offers the following advantages:
  - Non-contact measurement, high sensitivity
  - High accuracy 0.1 µm
  - Durability and reliability
  - Automatic cleaning of measured surfaces
  - Measurement in harsh workshop conditions
  - Static or dynamic measurements
  - Easy to set-up and use
  - Stacking possibility for up to 8 PNEUTAMIC gages
  - Data exchange via RS232 interface
• 5 measuring programs
**Functionalities pneutamic**

- Display
  - Actual dimension or difference from a floating zero
  - Metric or inch
  - Color display work piece OK/NOK

- Measurement
  - Simple or differential
  - Direct reading
  - Adjustable tolerance lines
  - Compensation for surface finish

- Mastering
  - With one master: zero adjustment within part specification limits
  - With one set of min-max masters: automatic adjustment of amplification coefficient

**Technical characteristics pneutamic**

The module aspect of the pneutamic simplifies the connection and data exchange between units and/or external network.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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<tr>
<td>Air feed port</td>
<td>1/4” BSP female</td>
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<tr>
<td>Measurement range</td>
<td>From ±5 to ±120 µm</td>
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<tr>
<td>Accuracy</td>
<td>0.5% of the measurement range</td>
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<td>Digital display</td>
<td>8 digits, retro-illuminated</td>
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<tr>
<td>Protection</td>
<td>IP65</td>
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<tr>
<td>Operating temperature</td>
<td>From +5°C to +50°C</td>
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<tr>
<td>Air pressure (filtered air 5 µm)</td>
<td>Between 2 and 4 bar (insensitive to variations, even during the measurement cycle)</td>
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<td>Electric power supply</td>
<td>220/110V AC</td>
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<td>Stacking</td>
<td>8 units using one single power supply</td>
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<tr>
<td>Interface</td>
<td>RS232</td>
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<tr>
<td>Measuring programs</td>
<td>5</td>
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