


Handheld Base Module Version 4 (HBM4)	
	<p>The Handheld base module in version 4 (HBM4), is exclusively available as built-in modules in devices for in vitro diagnostic use for quantitative determination of health parameters in human body liquids (i.e. blood glucose levels or blood coagulation parameters). The devices are indicated for use by healthcare professionals. For healthcare professionals, the device is a bedside mobile or stationary unit that can help you provide quality patient care by measuring health parameters and by automating the record keeping associated with the parameter specific control test. Devices with wireless enabled use WiFi as a redundant communication option to exchange data with the DMS.</p>
<p>Device specific distinctions</p>	<p>The module will be used in 2 different configurations, to meet the arrangement of device specific cable connections for further components (digital display, power supply and parameter specific measurement modules). The conducting paths are identical for each configuration, but the mechanical ports are getting installed device specific.</p> <p>This will ensure, that the WLAN functionality will not be affected due to different configurations.</p>
Features	
<p>Frequency Band</p>	<p>2.4 GHz ISM band</p>
Security	
<p>Security</p>	<p>WEP encryption (40 bit/104 bit) WPA TKIP security WPA PSK WPA2</p>
Wireless LAN	
<p>Standard</p>	<p>IEEE 802.11b/g</p>
<p>Data Rates</p>	<p>IEEE 802.11b: 1, 2, 5.5 and 11 Mbps IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48 and 54 Mbps</p>
<p>Modulation</p>	<p>IEEE 802.11b: DSSS/CCK IEEE 802.11g: OFDM</p>
<p>Transmit Power Output (max.)</p>	<p>IEEE 802.11b: 12 dBm</p>
<p>Receive Sensitivity</p>	<p>IEEE 802.11b: 1 Mbps, 8% PER 2 Mbps, 8% PER 5.5 Mbps, 8% PER 11 Mbps, 8% PER</p>
<p>Maximum Receive Level</p>	<p>IEEE 802.11b: PER<8%</p>
<p>Transmit Power Output (max.)</p>	<p>IEEE 802.11g: 7 dBm</p>
<p>Receive Sensitivity</p>	<p>IEEE 802.11g: 6 Mbps, 10% PER 9 Mbps, 10% PER 12 Mbps, 10% PER 18 Mbps, 10% PER 24 Mbps, 10% PER 36 Mbps, 10% PER 48 Mbps, 10% PER 54 Mbps, 10% PER</p>
<p>Maximum Receive Level</p>	<p>IEEE 802.11g: PER<10%</p>
<p>Intended transmission output power tolerance</p>	<p>± 2dB</p>
Certifications of used WiFi-Chip	
<p>EMC/Immunity</p>	<p>United States: FCC Part 15 Canada: Industry Canada European Union: CE Mark</p>