

# Characteristic DS18B20

Measuring range: -55 °C to +120 °C

**Accuracy**

-10 °C to +85 °C: ±0,5 °C

°C	Digital output (binary)	Digital output (Hex.)
+125	0000 0111 1101 0000	07D0h
+85	0000 0101 0101 0000	0550h
+25,0625	0000 0001 1001 0001	0191h
+10,125	0000 0000 1010 0010	00A2h
+0,5	0000 0000 0000 1000	0008h
±0,0	0000 0000 0000 0000	0000h
-0,5	1111 1111 1111 1000	FFF8h
-10,125	1111 1111 0101 1110	FF5Eh
-25,0625	1111 1110 0110 1111	FE6Fh
-55	1111 1100 1001 0000	FC90h

For further information see data sheet: <https://datasheets.maximintegrated.com/en/ds/DS18B20.pdf>

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