

# SP41E20

1. RF 13.56MHz or 125KHz carrier frequency
2. ASK modulation with Manchester encode data
3. Measure charge time in three channels (A0, A1 and B1) for one reference sensor (Rref ) and two measurement sensors (Rs and Rse)
4. Built-in 12 bits Counter and overflow flags for measure charge times
5. Built-in 8 bits CRC8-CCITT encode for checking data transmission to Reader
6. Built-in 4 bits encryption data for measurement data Rref, Rs, Rse and overflow flags
7. Built-in EEPROM 32x8 that need to setting one of 4 banks (1 bank = EEPROM 8x8) for 6 bits data transmission format configuration setting and 16/32/48 bits ID codes definition
8. The EEPROM serial bit Read/Write operation in VERIFY pad setting to HIGH
9. Repeat the 4 periods (Reset, Configure, Measure and Transmit period) in basic operation
10. The LED light in the Reader providing energy to Tag