

Input Options 04,05,06,07: AC voltage, AC Current, Resistance, pH/Orp Electrode BSC133

OPTION 04 - AC Voltage Input (Sine Wave)

Input range: 10mV up to 50Vac
 Input impedance: 12k Ω for 10mV input
 >1M Ω for 500V input
 up to 200% of range
 Offset:
 Combined linearity and drift error: <0.5% of range

OPTION 05 - AC Current

Input range: 0.5 up to 10A
 Input impedance: 0.008 Ω at 5A.
 Input output isolation: 2kV r.m.s. by internal CT.
 Combined linearity and drift: < 0.5% of range.

OPTION 06 - Resistance Input

The resistance or slidewire receives a constant load independent current from an internal current source. This current source is configured for two basic ranges: 4mA or 40mA. Final adjustment is carried out by a 15-turn internal trim potentiometer to suit the resistance sensor.

Input span: 2 Ω up to 5k Ω
 Combined linearity and drift error: 0.5% of input range.

OPTION 07 - pH / Orp Electrode Input

The BCS133 accepts a wide variety of electrochemical sensors as input - pH, Redox (ORP) or selective-ion when fitted with input option 07. Please specify the input range required when ordering.

Input impedance: $2.5 \times 10^{10} \Omega$
 Combined linearity and drift error: 0.5% of range

