Standard Operating Procedure for Lockin-Amplifier SRS SR830

A close-up of a calculator

Description automatically generated with medium confidence

# Specifications

1. Frequency range (Reference channel): 1 mHz to 102 kHz
2. Reference input: TTL (rising or falling edge) or Sine
3. Frequency range (Internal oscillator): 1 mHz to 102 kHz

# Starting Procedure

1. To start the device in standard settings, turn on the power while holding the [Setup] A close up of a sign

   Description automatically generated with low confidence key. Wait until the power on tests are completed.
2. For single ended signal connect to [A/I] port using a BNC cable, and for differential signal connect the signals to [A/I] port and [B] port A close up of a camera lens

   Description automatically generated with low confidence

# Experiences

* In channel one display, the R output shows the