DESCRIPTION
The 9762 is a high accuracy rubidium atomic frequency reference. It is designed to enhance the output frequency of the 5045 oscilloscope calibrator up to 10MHz. It can also be used with the 5025 and 5051 multifunction calibrators when the oscilloscope calibration option (9770) is fitted.

It is designed for long operating periods of up to 10 years without maintenance. The unit provides a highly stable frequency with good short and long-term stability. It is ideal for referencing frequency outputs on the 5045, 5025, and 5051 calibrators.

TECHNICAL SPECIFICATIONS

**Frequency** 10MHz sine-wave into 50Ω

**Output Level** 0.5Vrms +/-10% (approx 1.41Vpp or 7dBm)

**Aging 1 month** $1 \times 10^{-10}$

**Aging 1 year** $5 \times 10^{-10}$

**Short term stability (Allan variance)**

- $<2 \times 10^{-11}$ (1s)
- $<1 \times 10^{-11}$ (10s)
- $<2 \times 10^{-12}$ (100s)

GENERAL SPECIFICATIONS

**Warm up time**
- Less than 6 minutes to lock (starting at 25°C).
- Less than 7 minutes to $5 \times 10^{-9}$ (starting at 25°C)

**Operating Temperature** 0°C to 50°C

**Connection** BNC

**Indicators** Power and Lock.

**Power Supply** 110V to 250V (external)

**Dimensions** 190 x 120 x 90mm

**Weight** 0.6Kg

ORDERING INFORMATION

9762 Rubidium Frequency Standard