

I4-10 Time Interval Meter

◆ *High precision*

◆ *Single measurement resolution
100 ps, in averaging mode up to 1 ps*



IEC 625 Bus

DESCRIPTION

The Instrument is designed for precise measurements of pulse time parameters: pulse width, pulse repetition rate and time interval between pulses.

It remotely controls over IEC 625 interface bus the following operations: reset-start, data output enable, selection of an averaging factor and a mode of operation.

SPECIFICATIONS

Time interval range: 0-9.999999999 s

Resolution: 0.1 ns

Bias error: 1 ns

Pulse parameters:

Max repetition rate: 10 MHz

Amplitude: 0.3-10 V

Factors in time interval averaging mode: 1, 10, 10², 10³, 10⁴

Input impedance: 50 Ohm or 1 MOhm, 150 pF

GENERAL

Power: 220±22 V, 45-65 Hz;

Power consumption: <140 VA

Operating temperature range: -10...50 °C

Dimensions: 480x120x539 mm

Weight: 20 kg