



# Precision Calibrator QC2



Precision charge and time interval calibrator for Ballistic Analyzers types BA04S, BA04S2, BA04SE, BA06S, BA06L, TR2519A, BA08M and other charge and time measuring devices.

## Basic Technical Data

Accuracy / Charge  $< \pm 0,1\%$  @ 100% of FS  
 $< \pm 0,2\%$  @ 10% of FS  
(FS = Full Scale = 20'000pC)

Accuracy / Time  $< \pm 0,1\%$  @ 1ms Start-Stop



Charge pulse	<ul style="list-style-type: none"><li>- amplitude depends on Range</li><li>- maximum amplitude 20'000pC</li><li>- compatible with BA/TR inverting charge amplifiers</li><li>- pulse width = 5ms</li><li>- almost rectangle shape</li></ul>
Default chare ranges	<ul style="list-style-type: none"><li>1 - 2'000pC</li><li>2 - 4'000pC</li><li>3 - 8'000pC</li><li>4 - 16'000pC</li><li>5 - 20'000pC</li></ul>
START/STOP Pulse	<ul style="list-style-type: none"><li>- positive amplitude +5V</li><li>- rectangle shape</li><li>- rise/fall edge &lt; 0.1<math>\mu</math>s</li><li>- pulse width 0.01ms (10<math>\mu</math>s)</li><li>- START pulse delay approx. 25ms</li><li>- START-STOP distance 1ms <math>\pm</math>0,1%</li></ul>
Nonlinearity	< $\pm$ 0,01% of FS
Temperature drift	< $\pm$ 0,01% of FS/ $^{\circ}$ C (5..35 $^{\circ}$ C)
Time drift	< $\pm$ 0,01% of FS/year
Operating range	5..35 $^{\circ}$ C, max. 70% R. H.
Power supply	9V DC (6..12V DC)