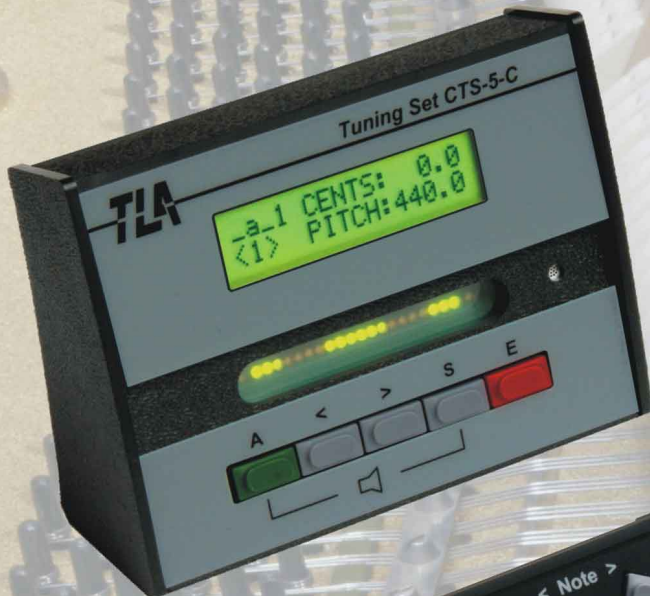


TLA

tuners for your instrument tuning tasks



TLA Tuning Sets enjoy increasing popularity with organ manufacturers, piano tuners, musicians, owners of historical instruments, music dealers, repair shops and professionals in the music industry.

In ranges difficult to capture by hearing and where other tuning devices no longer produce results, TLA Tuning Sets still provide a stable indication. This allows you to work efficiently and stress-free.

With the high-resolution strobe display, you create tunings of the highest precision and can detect frequency deviations of up to 1/100 Hertz.

High-precision target frequency creation, practice-oriented tuning functions, concise menu control and compact dimensions make the devices your indispensable helpers for tuning instruments.

By using the latest microprocessor technology, we could improve our sophisticated tuners.





tuning sets for professional demands

CTS-5-C



The classic

The successor of the popular Tuning Set CTS-5.

Smaller, lighter and more precise.

Nevertheless, this inexpensive tuner has all the qualities of a professional tool.

CTS-7-P



The memory artist

with a range of 9.5 octaves.

CTS-7-PE



The memory artist with PC knowledge

as CTS-7-P, but with PC-Interface, input for thermosensor and active box connector for the audible tone.

CTS-32-C



The master class

The successor of the CTS-32-L has been even further improved.

We have put the most recent solutions offered by modern technology into this device, with the aim of giving you the support needed to obtain optimum results for your tuning tasks.

Tuning range	8 octaves	more than 9,5 octaves		
Frequency range	27.5...7000Hz	20... 14000 Hz		20... 15000 Hz
Accuracy		0,1 Cent (1/1000 semitone step)		
Strobe display	●	●	●	●
Bar graph indication	●	●	●	●
Adjustment of bar graph resolution	-	-	-	●
Input level indication	-	-	-	●
Cent adjustment		± 100 cent		± 150.0 cent
Cent resolution		0.1 cent		
Concert pitch range / resolution	380...480 Hz / 0,1 Hz	220...880 Hz / 0,01 Hz		
Adjustment of microphone amplification		2 steps		8 steps, manual or automatic
Adjustment of beats	-	-	-	●
Adjustment of partials	-	1...8		1...16
Adjustment of purely tuned intervals	-	●	●	●
Volume of audible tone		2 steps		6 steps
Jack for audible tone via active box	-	-	●	●
Jack for external microphone		DIN Plug 3.5 mm		
Illuminated LC-Display		16 x 2 char		40 x 2 char
Language on LC-Display		English, German, French, Italien		
Memory for instrument programs	1	59		99
Memory for historical temperaments	1	79		99
Producing piano stretchings by analysis of partial tones (Pianzyzer)	●	●	●	●
Instrument tunings fixed stored (instrumentenprograms)	4 piano tunings	Normal Tuning, 3 Piano Tunings, Harpsichord, Organ, Recorder, Accordion, Historical, Guitar.		
27 permanently stored historical temperaments	Bach/Barnes, Bach/Kellner, Bach/Schubiger, Bruder/P.Vier, Kirnberger_I, Kirnberger_II, Kirnberger_III, Lambert/Schugk, Lambert/Chaumont, Neidhard (1724), Neidhard (1729), Meantone, Pytagoraen, Rameau/Schugk, Rameau/Schubiger, Schlick_I, Schlick/Billeter, Schlick/Vogel, Silbermann/P.Vier, Silbermann-I, Silbermann-II, Silbermann Billeter, Valotti, Werkmeister-III, Werkmeister-IV, Werkmeister-V			
PC – Interface	-	-	RS-232 or USB-Adaptor	USB
Thermosensor input	-	-	●	●
Cent true value indication	-	-	-	●
Frequency true value indication (Hz)	-	-	-	●
Beats true value indication (Hz)	-	-	-	●
Indication of pipe correction value (mm)	-	-	-	●
16-th semitone step true value indication	-	-	-	●
Indication of target frequency (Hz)	-	-	-	●
Micro-Tone-Steps (microtonal tunings)	-	-	-	●
Power supply	Mains adaptor oder battery (4 x Mignon 1,5 Volt)	Accumulator + charger, 14 hours to recharge, 14 hours operation with one charge (4 x Mignon NiMh battery 1,2 Volt / 2500 mAh included)		
Mains-Adaptor / charger		7.5 Volt 400 mA DC regulated		
Dimensions and weight	125x97x45mm/240g	160x75x50mm / 400g	160x75x50mm / 410g	200x103x50 mm/560g



TLA Tuning Sets are manufactured in Germany.

We will be pleased to provide you with further details. You will also find more information on our web site:

www.tuning-set.de