



KINNAIRD
BAGPIPES
& REEDS

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Here are some details on the two most popular electronic chanters- the Deger Electric Chanter and the Fagerstrom Techno-Chanter:

DEGERPIPES

ELECTRONIC BAGPIPE CHANTER

\$580.00 Cdn plus shipping and taxes. Always in stock.



Key Features:

- Same size and finger spacing as a long practice chanter.
- Dual output: **PHONES** and **MIDI**! Headphones and MIDI devices can directly connect to the DegerPipes Chanter. It's also possible to connect the phones output to an amplifier or a stereo.
- The chanter contains all electronic components as well as the battery. No external box or additional equipment is needed.
- Authentic Bagpipe sound including drones generated by wavetable sound synthesis. Highland Pipe and Smallpipe sounds integrated.
- Perfectly tuned chanter scale and drones by usage of crystal oscillator and microprocessor control.
- The Pitch is adjustable in a range of more than three octaves. This enables you to play together with other instruments in any key.
- The drones volume is variable and can also be switched off.
- Through MIDI output every MIDI compatible tone generator or other MIDI equipment can be used (for example PC with notation program).
- An extended cromatical scale is available allowing you to play tunes which are not playable on the real pipe chanter.
- Driven by a cheap **standard** 9V Battery, Accumulators are also usable.
- Up to 100 hours of playing with only one battery.
- Automatic power off after a minute of no activity.

- A Metronome is integrated within the Chanter.

The Deger compared with a long practice chanter:



Fagerstrom (Techno-Chanter)

\$310.00 Cdn plus shipping and taxes. Delivery about 1 week.



The chanter consists of a transparent or black plastic pipe in which the electronics and the batteries are housed. In the upper end, the earphones are connected, and by doing so the chanter is also switched on. Almost any sort of Walkman stereo earphones with a 3.5mm plug will do. In the lower end, the batteries are inserted. The chanter runs on three 1.5V batteries of the sort used in watches (LR44, SR44 or similar 11.6 x 5.4mm). The lifetime is about 50 hours of playing. The power consumption without the earphones connected is negligible. You can use the earphone output to connect to a couple of self powered speakers or a mic input on a stereo, but that might decrease battery lifetime a bit, depending of the device you are connecting it to.

The contacts on the chanter are electrical and not mechanical, meaning that they do not have to be pressed down to achieve contact. The grip does not have to be any firmer than that on the pipe chanter. The contacts are about 3mm in diameter, and with their highest point slightly above the surface of the pipe in order to get a better feel for their positions. There is one control for the volume, and one for the sensitivity. Since the fingers sometimes can be very dry, causing them to become poor

conductors, and sometimes quite sweaty, leaving a sweat film on the chanter short-circuiting the contacts, the sensitivity must be possible to set. Most of the time though, the setting of the sensitivity can be ignored.

If you want to shut it off briefly, just let go of the chanter and it will go silent until you start playing again. Worth mentioning is that there is no electrical "ground contact" on which a finger or any other part of the body has to rest on, or be connected to, whilst playing.

For a set level of volume, the volume of each note differ. For example, the low G has a higher volume than low A, and high A has the lowest volume of all notes. This is creating the characteristic birl, slur, and grip sound etc., and they will sound as crisp as on the pipes. The sound as such, if you have not listened to the samples, is somewhere in between the pipes and the ordinary practice chanter. Unlike on the ordinary practice chanter, you can play C naturals and F naturals if you like.

It is tuned in the same key as the GHB. The chanter is pitch alterable to be able to tune it to a CD on your stereo if you wish. The low A goes from 434Hz up to 481Hz in steps of 3Hz, with 466Hz as default. There is no drone sound.

On the circuit board there is an extremely accurate crystal oscillator timing the microprocessor. All the circuits and discrete components are surface mounted according to the latest technology, in order to guarantee a high quality. Very much effort has been put into securing that the electronic circuits are not damaged by ESD (=electrostatic discharge), that otherwise might occur when for example passing the chanter from one person to another.

The length of the pipe is 225mm and the diameter is 16mm. Despite the small dimensions this is a full-size practice chanter and the spacing of the contacts is the same as the spacing of the holes on a pipe chanter. The dimensions together with the low weight of approx. 50 grams, make this chanter very portable indeed.

Please let me know if you have any questions.

Kind regards,
Rob K.