

Table 4. ASCII characters used in the calculator and IPA transcriptions.

	ASCII used in APPC	IPA
Stops	t	t̥
	T	t ^h
	k	k
	q	q
	ʔ	ʔ
	d	d
	D	d ^h
	b	b
Affricates		
	j	dʒ
Fricatives		
	f	f
	v	θ
	s	s
	S	s ^h
	ʃ	ʃ
	x	x-χ
	H	ħ
	h	h
	*	ø
	Z	ð ^h
	z	z
	g	ɣ-ʁ
	E	ç
Nasals		
	m	m
	n	n
Trill		
	r	r
Glides		
	w	w
	y	j
Liquid		
	l	l
Gemination		
	~	
Vowels		
	i	i
	a	a
	u	u

	I	i:
	A	a:
	U	u:
	Y	ai
	W	aʊ

Note: Most of the ASCII characters used in the calculator are based on Buckwalter's transliterations with necessary amendments to accommodate certain characteristics of MSA phonemic inventory.