1. OPERATIONS

1.1. Arithmetic requirements

1.1.1. Capacity

Display capacity is 8 digits + sign (-)

Calculate capacity is: 8 digits for entries
8 digits for results

1.1.2. Arithmetic functions

Addition
Subtraction
Multiplication
Division

1.1.3. Calculation time

To be stated later; however max. 300 msec.

1.1.4. Registers

The number of arithmetic registers shall be 3.

1.1.5. Organisation

- Organisation must be according to the attached list of examples.
- Negative numbers shall be shown with a minus sign (-).
- Calculations with positive and negative numbers shall be performed sign correct.
- The last digit of a product or quotient must be automatically rounded off.
- Chain multiplication and division (also mixed) shall be done without intermediate pressing of the = key.

A survey is given below of the operation of all keys and switches.

+ = Performs addition, multiplication and division.

- = Performs subtraction, multiplication and division.

x Prepares multiplication and performs a possible preceding multiplication or division.

÷ Prepares division and performs a possible preceding multiplication or division.

C Clears IOR, cancels exceed capacity and reactivates keyboard.

on/off Clears also all registers.

1.1.6. Decimal point

A decimal point key will be taken up in the keyboard.

The decimal point handling shall be fixed with positions 0, 2, 3 respectively.

Calculations must be effected with correct d.p.

The decimal point shall be accepted only once during input of an amount.

A newly entered number shall be arranged correctly around the preset decimal point.

Unsignificant zeroes have not to be entered.
More digits entered after the decimal point than indicated by the d.p. selector are not accepted.

1.1.7. Exceed capacity

If the capacity is exceeded during input or calculation, the keyboard becomes inactive and the display shows 9 minus symbols.

The exceed capacity is cancelled and all registers are cleared by pressing the C key.

1.1.8. In standby position, the display shows: 0 - 0,00 or 0,000 depending on position d.p. switch.

1.1.9. Miscellaneous

$\frac{a}{0}$ gives exceed capacity

$\frac{0}{0}$ gives exceed capacity

$\frac{0}{a}$ gives 0

8. CALCULATION EXAMPLES

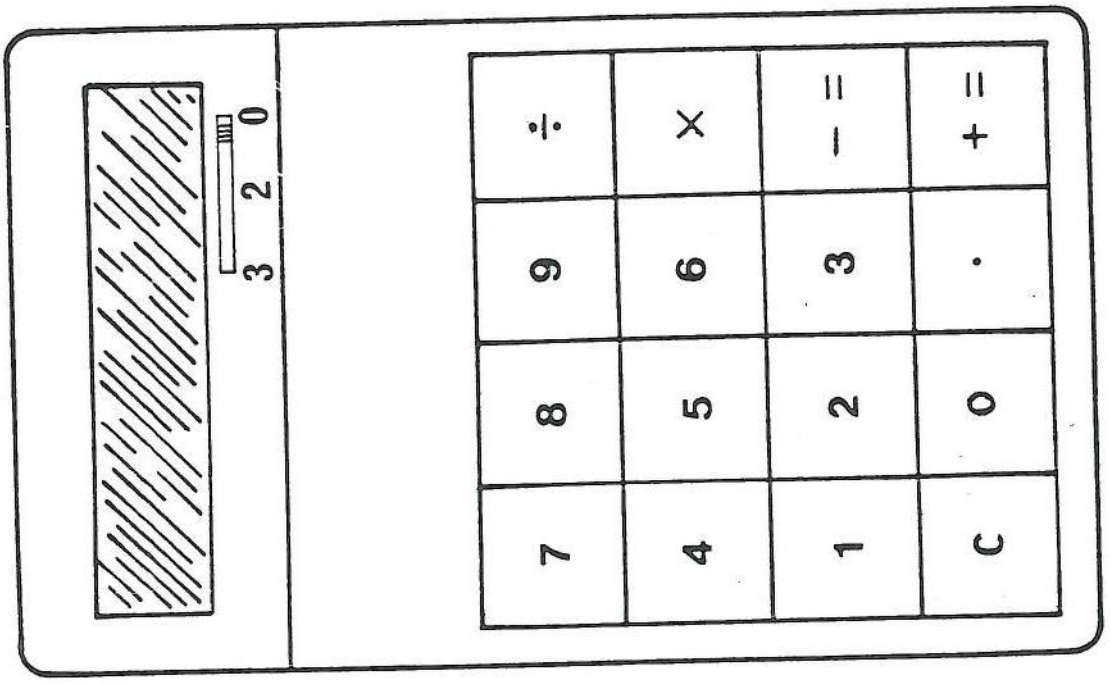
	Keys	Indic.
1. a + b = c	C	
	a	a
	+=	a
	b	b
	+=	c
2. a - b = c	C	
	a	a
	+=	a
	b	b
	-=	c
3. a + b - c - d = e	C	
	a	a
	+=	a
	b	b
	+=	a+b
	c	c
	-=	a+b-c
	d	d
	-=	e
4. a x b = c	(C)	
	a	a
	x	a
	b	b
	+=	c
5. a x b x c = d	(C)	
	a	a
	x	a
	b	b
	x	ab
	c	c
	+=	d
6. a x a = a^2	a	a
	x	a
	+=	a^2
7. a x a x a = a^3	a	a
	x	a
	x	a^2
	+=	a^3

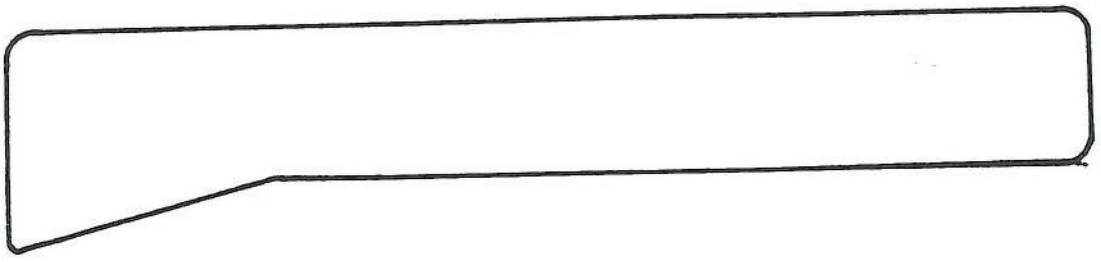
	Keys	Indic.
7. (a + b) x d = e	C	
	a	a
	+=	a
	b	b
	+=	a+b
	x	a+b
	d	d
	+=	e
8. a x b + c = d	(C)	
	a	a
	x	a
	b	b
	+=	ab
	c	c
	+=	d
9. a x b - c = d	(C)	
	a	a
	x	a
	b	b
	+=	ab
	c	c
	-=	d
10. $\frac{a}{b}$ = c	(C)	
	a	a
	÷	a
	b	b
	+=	c
11. $\frac{a \times b}{c}$ = d	(C)	
	a	a
	x	a
	b	b
	÷	ab
	c	c
	+=	d
12. $\frac{a - b}{c}$ = d	C	
	a	a
	+=	a
	b	b
	-=	a-b
	÷	a-b
	c	c
	+=	d

13. $\frac{(a + b) \times c}{d} = e$

Keys	Indic.
C	
a	a
+=	a
b	b
+=	a+b
x	a+b
c	c
÷	(a+b)x c
d	d
+=	e

9. KEYBOARD LAYOUT





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