

**multa 33**

# Walther's new compact multiplier



# multa 33

The new compact adder-multiplier from Walther, an all-round calculating machine, reduced in size but outstanding in performance

May we present to you the latest addition to the Walther line: the small Multa 33 multiplier, the junior in the family of Walther printing three and four function machines which, nevertheless, manages not to lag far behind the universally known Multa 32 in point of performance.

It adds, subtracts, and multiplies both positively and negatively. Products and totals may be re-used as factors in the following multiplication without re-indexing them on the keyboard. And for each calculation the Multa 33 furnishes a neatly printed proof. The Multa 33 is a machine for many uses, with applications in the fields of commerce, industry, banking, insurance, etc.

Here are a few samples of what the Multa 33 is capable of doing:

**1. Addition, subtraction, credit balance**

$$600.00 - 700.00 = -100.00$$

**2. Automatic positive and negative multiplication**

$$+123 \times 456 = 56\ 088$$

$$-213 \times 753 = -160\ 389$$

**3. Back-transfer (important for continuous multiplication)**

$$12 \times 85 \times 315 = 321\ 300$$

Products and totals may be re-used as factors in a multiplication without re-indexing on the keyboard

$$(123 + 456 + 753) \times 325 = 432\ 900$$

**4. Product storage**

$$(210 \times 450) - (112 \times 320) = 58\ 660$$

**5. Percentage calculations**

$$DM\ 250.00 - 15\% DM\ 37.50 = DM\ 212.50$$

**Features:**

Ten-key keyboard with 0-00-000 keys, Keyboard interlock, individual keys for addition, subtraction, non-add (for printing reference numbers and dates), sub-total, total, correction of figures indexed in error; positive and negative multiplication, repeat key, column indicator.

Capacity:

Indexing capacity: 999.999.999.99

Totaling capacity: 9.999.999.999.99

The number of digits in the factors may vary. For instance, 6 digits may be multiplied by 6 digits, 4 by 6, 7×5, etc., as long as the total number of digits of the two factors does not exceed 12. When the 12-digit capacity is exceeded, the two product keys lock and prevent incorrect answers.

Motor and drive:

Induction motor for 220 volts 50 cycles, 110 volts 50/60 cycles, or 110/220 volts 50 cycles. All motors are screened to prevent radio interference.

Dimensions and weight:

Length: 330 mm, Width: 210 mm,

Height: 115 mm, Weight: appr. 7 kg

The Multa 33 is supplied with a leatherette carrying case at extra charge.

<b>1</b>	*	<b>2</b>	*	<b>3</b>	*	<b>4</b>	*	<b>5</b>	*
6 0 0 . 0 0 7 0 0 . 0 0 - 1 0 0 . 0 0 *		1, 2 3 × 4 5 6 = 5 6 0 . 8 8 *		1 2 × 8 5 = 1 0 . 2 0 *		2, 1 0 × 4, 5 0 = 9 4 5 . 0 0 ◊		1 5 × 2, 5 0 = 3 7, 5 0 ◊	
		2 1 3 × 7 5 3 = 1 . 6 0 3 . 8 9 *		1 0 . 2 0 × 3, 1 5 = 3 . 2 1 3 . 0 0 *		1, 1 2 × 3, 2 0 = 5 8 6 . 6 0 *		2 5 0 . 0 0 2 1 2 . 5 0 *	
				1, 2 3 4, 5 6 7, 5 3 1 3, 3 2 *					
				1 3, 3 2 × 3, 2 5 = 4 . 3 2 9 . 0 0 *					

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