

English

# Durst *PCM 1001*

Colormeter Photometer  
VCNA Translator



# The versatile PCM 1001



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The Durst PCM 1001 multifunction unit (colour analyser, VCNA translator and photometer) is indispensable in any professional darkroom. The enormous memory capacity of the PCM 1001 really comes into its own with appreciable time and material savings if your printing orders comprise different negative types and subjects have to be printed onto a number of different paper batches.

★ VCNA

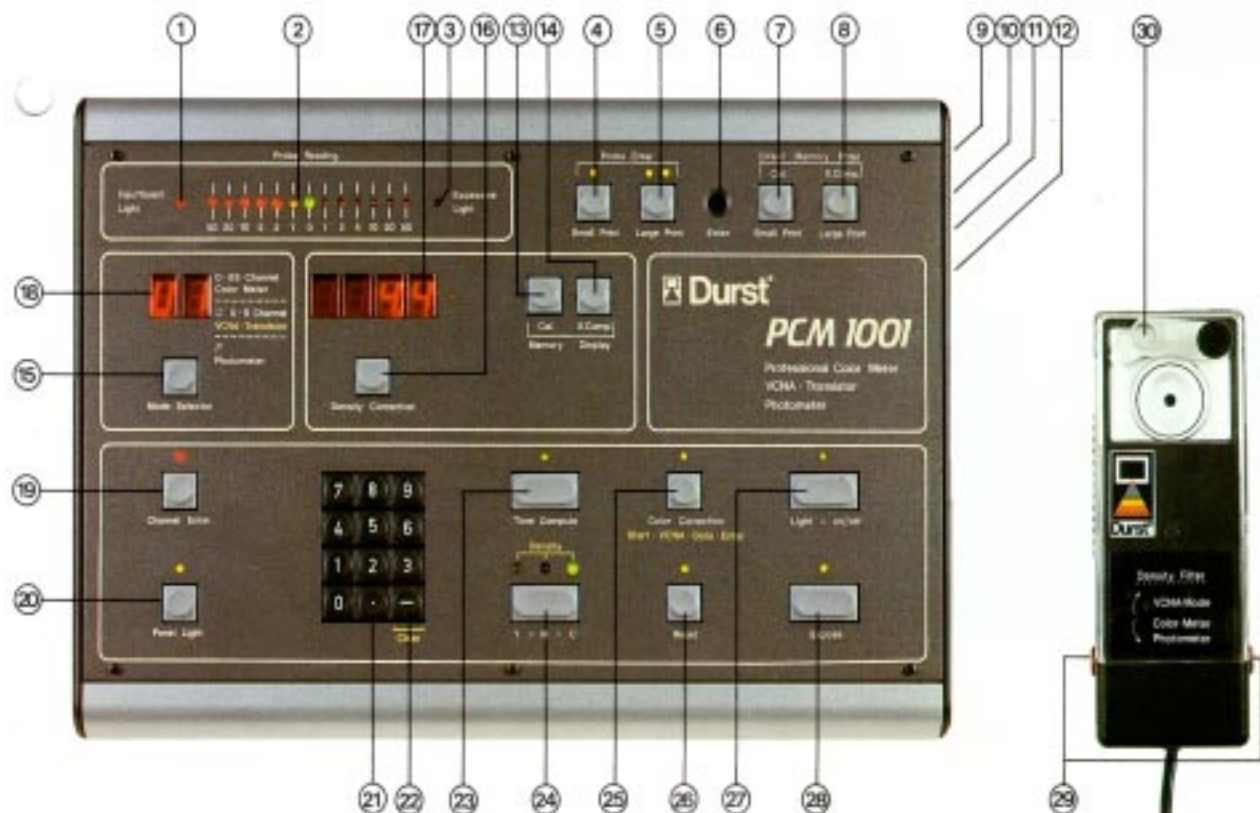
# Unit description

- ① The „Insufficient Light“ LED lights up when the probe cell receives insufficient light and cannot therefore take a reading.
- ② LED balance row for colour and density balance.
- ③ The „Excessive Light“ LED lights up when the probe cell receives excessive light and cannot therefore give a reading.
- ④ „Probe Enter Small Print“ key for reading the first calibration print (approx. 20 x 25 cm in size).
- ⑤ „Probe Enter Large Print“ key for reading the second calibration print (approx. 30 x 40 cm in size).
- ⑥ „Enter“ key must be pressed at the same time as pressing keys (4), (5), (7), (8) to allow these keys to function.
- ⑦ „Cal“ key for manual entry of a basic calibration value noted down previously.
- ⑧ „X.Comp“ key for manual entry of a memory value noted down for reciprocity failure compensation.
- ⑨ Main power switch.
- ⑩ Fuse holder for 0.25 amps at 220 volts and 0.5 amps at 110 volts.
- ⑪ Socket for mains supply lead.
- ⑫ Time outlet socket.
- ⑬ „Memory Display-Cal“ key to call up basic calibration memory values.
- ⑭ „Memory Display - X.Comp“ to call up memory values for reciprocity failure compensation.
- ⑮ „Mode Selector“ key to call up the three modes colour meter, VCNA or photometer.
- ⑯ „Density Correction“ key to correct exposure time by densitometric density units, i.e. 30 units equal one f-stop.

- ⑰ Digital display of colour and density correction or VCNA values.
- ⑱ Digital display of VCNA „U“ and photometer „P“ modes as well as corresponding memory channel number.
- ⑲ „Channel Enter“ key to select required calibration channel, shown digitally.
- ⑳ „Panel Light“ key to switch LEDs and displays on or off.
- ㉑ Numeric keys for channel selection, to enter colour or density correction values and VCNA values.
- ㉒ „Clear“ key to clear a wrongly keyed-in value in the VCNA mode.
- ㉓ „Time Compute“ key for automatic determination of exposure time during analysis.
- ㉔ „Y-M-C“ key permits colour channel change in Y - M - C sequence. This key's double function allows the entry of VCNA values in Y - M - C - D sequence and is indicated by the appropriate LEDs being lit up.
- ㉕ „Color Correction“ key for automatic exposure time correction during reprints. This key's double function is „Start-VCNA-Data-Enter“ for starting the entry of VCNA values.
- ㉖ „Reset“ key for:
  - a) Clearing a wrongly keyed-in value
  - b) Interrupting the exposure
  - c) Clearing an entered value or a wrongly selected function
  - To interrupt the exposure when a roll-paper easel is used in conjunction with the enlarger
  - To have the selected exposure time displayed (in the photometer mode)
- ㉗ „Light on/off“ key to switch the enlarger lamp on or off.

- ㉘ „Expose“ key to trigger the exposure.
- ㉙ Push button keys to fill the probe.
- ㉚ Diffuser for VCNA mode.

Note: Green lettering denotes double function in the VCNA mode.



# Accessories

## Technical Data

- DESKIL AC
- Stativ COLIDESK 1
- Adapter cable EI SINO in order to use the Durst PCM 1001 in conjunction with the Durst enlargers LABORATOR 1840 and LABORATOR 2000.

Mains voltages : 110, 220, 240 volts  
50-60 Hz

Power consumption : approx. 30 watts

Exposure time range : 0.1 to 999

Value range for VCNA : 0 to 999

Colour balance reproducibility :  $\pm 0.02$  density values

Measuring range in photometer mode : 0.00 to 3.00 in density

Measuring spot diameter : 5 mm

Number of channels in colour meter mode : 0 to 89

Number of channels in VCNA mode : 0 to 9

Timer switching capacity : 2000 watts maximum

Dimensions of unit : Approx. 41 x 28 x 10 cm

Dimensions of probe : Approx. 15 x 6 x 4 cm

Weight : Approx. 7 kg

