

# Flexible Devices for the Skin Analysis

## Wireless Probes



- Perfect devices for a targeted recommendation of skin care products
- Quick and easy measurement at the point of sale
- The result is immediately shown on the display.
- Easy evaluation of the results is done by a chart.

combination of the 3 Pens and the Visioscope® Palm VP 25: Pen Station PS 100

**Technical Data:**  
power supply: battery (2x AA-batteries alkaline);  
dimensions: length 20.2 cm, Ø 41 mm; weight: 150 g;

**measurement principles:**  
sebum: photometrical (Scale 0-99)  
moisture: capacitative (Scale 0-99)  
pigmentation: photometrical (Scale 0-99)

Technical changes may be made without prior notice.

## Moisture, Sebum, Pigmentation

Easy and flexible determination of skin parameters:

- Hydro Pen HP 10 (moisture)
- Skintone Pen TP 20 (pigmentation)
- Sebu Pen SP 15 (sebum with pads)



Interpretation Chart  
Pen Station PS 100

Hydro Pen HP 10 - Skin Moisture				Sebu Pen SP 15 - Skin Oil (Sebum)			
Parameter	Unit	Scale	Interpretation	Parameter	Unit	Scale	Interpretation
Moisture	%	0-99	> 40: Normal 30-40: Slightly dry 20-30: Dry 10-20: Very dry	Sebum	%	0-99	> 40: Normal 30-40: Slightly oily 20-30: Oily 10-20: Very oily
Temperature	°C	35.0-37.0	> 37.0: Inflammation 35.0-37.0: Normal < 35.0: Hypothermia	Sebum	µg/cm²	0-99	> 100: Normal 50-100: Slightly oily 10-50: Oily 0-10: Very oily

Skintone Pen TP 20 - Skin Pigmentation			
Parameter	Unit	Scale	Interpretation
Pigmentation	µg/cm²	0-99	> 40: Normal 30-40: Slightly pigmented 20-30: Pigmented 10-20: Very pigmented

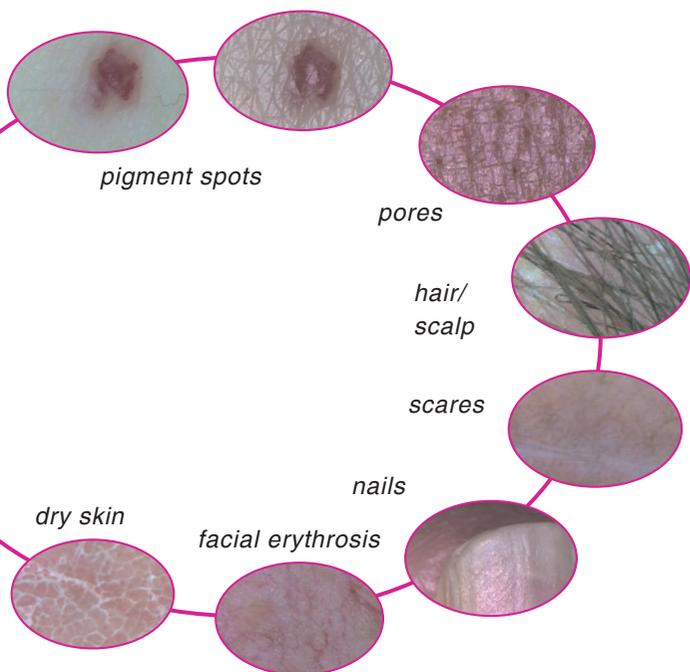
# A Close Look at Skin, Nails, Hair & Scalp



images with polarized light

## Visioscope® Palm VP 25

- images with & without reflection of the skin surface for a close look at the skin
  - dry skin
  - pigmentation spots
  - skin ageing/sun damage
  - lines & wrinkles
  - pores
  - impurities (redness, acne, comedones, etc.)
  - hair structure, dandruff, condition of the scalp and many more applications
- with freeze function for the image



### Technical Data:

Camera: Dimensions: 202 mm length, largest Ø 41 mm, Illumination: 2 x 6 white LEDs, special polarization filters, Area of view: 5.2 x 4.4 mm (corresponds to a zoom of approx. 13 x), Power supply: via monitor unit, Type: CMOS PAL

Monitor: Dimensions: 152 x 80 x 25 mm, weight including battery and camera: 400 g

Power supply: Lithium-Ion rechargeable battery (1S2P CGA-103450A), 3.6 V/3900 mAh, nominal energy: 14.4 Wh, Rechargeable: with the supplied power supply or by USB at a computer

Type: 3.5" QVGA, Resolution: 240 x 320 Pixel, Illumination: LED (approx 1000 h lifetime)

Power supply: Input: 90-264 V AC, 47-63 Hz, 0.5 A (max.), Output: 5-7 V, 10 W max.

Dimensions: 78 x 42 x 30 mm (without adapter), weight: approx. 150 g

Technical changes may be made without prior notice.



[www.courage-khazaka.de](http://www.courage-khazaka.de)

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