

SPECTRO Series

► SPECTRO-3-12-DIF-MSM-ANA-VISUV-DL

- **Color measurement** (color, contrast, and gray scale detection)
- Reduction of gloss effect due to diffuse illumination (volume lens serves as a diffusor, for optimal scattering effect)
- Object distance (measuring range) typ. 12 mm to 23 mm
- $L^*a^*b^*$, $L^*C^*h^*$, $L^*u^*v^*$, L^*u^*v' and x, y, z evaluation (CIE standard)
- Up to 3 colors can be taught
- 32x D65-similar LED and 8x UV-LED (AC-, DC-operation can be switched)
- Insensitive to outside light (in AC-operation)
- Scan frequency max. 90 kHz (in DC-operation)
- Switching frequency typ. 60 kHz
- 3 analog outputs to output color values to PLC
- 2 digital outputs to output taught colors
- TEACH via PC or external input
- Various evaluation algorithms can be activated
- "BEST HIT" mode ("human color assessment")
- Averaging can be activated (from 1 up to over 32000 values)
- Parameterizable via Windows® software, scope function
- RS232 interface (USB or Ethernet converter available)
- Temperature compensated
- 3-color filter detector (true color detector: "human color perception")



Design

Product name:

SPECTRO-3-12-DIF-MSM-ANA-VISUV-DL

(incl. Windows® Software
SPECTRO3-MSM-ANA-Scope)

