

# SPECTRO Series

## ► SPECTRO-3-FIO-MSM-DIG-VISUV

- **Color measurement** (color, contrast, and gray scale detection)
- Big working range: typ. 1 mm ... 500 mm (depends on fiber optics and optical frontend used)
- Various UV fiber optics to choose from
- L\*a\*b\*, L\*C\*h\*, L\*u\*v\*, L\*u'v' and x,y,z values according to CIE standard
- Up to 31 colors (max. 48 in "true color" mode) can be stored
- RS232 interface (USB to Ethernet adapter available)
- D65 similar LED light source by means of warm-white LEDs and interference filter, deep-blue LEDs and UV-LEDs, AC-, DC-operation or OFF for luminous objects can be switched
- Insensitive to outside light (in AC-operation)
- Scan frequency max. 35kHz (in DC- or OFF-operation)
- Switching frequency typ. 60 kHz
- 5 digital outputs to output taught colors
- TEACH via PC or PLC (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
- Temperature compensated
- Color measurement of luminous objects (LEDs, halogen lamps, displays, ...)
- 3-color filter detector (true color detector: "human color perception")
- Transmitted - and reflected light evaluation (acc. to selected fiber optics)



Available on request



### Design

#### Product name:

#### SPECTRO-3-FIO-MSM-DIG-VISUV

(incl. Windows® PC software  
SPECTRO3-MSM-DIG-Scope)

#### Suitable fiber optics:

(please order separately)

#### for transmitted light operation or „V“ arrangement:

Transmitter fiber optics:  
R-S-A2.0-(2.5)-1200-67° or  
R-S-A3.0-(3.0)-1200-67°  
Receiver fiber optics:  
R-S-A2.0-(2.5)-1200-22°/67°-UV or  
R-S-A3.0-(3.0)-1200-22°/67°-UV

#### for reflected light operation:

„Y“ fiber optics:  
R-S-A2.0-(2.5)-1200-Y-(67°+67°)/(67°+22°)-UV  
or R-S-A3.0-(3.0)-1200-Y-(67°+67°)/(67°+22°)-UV

Fiber optics adapter (receiver) for connection of a receiver fiber optics (in case of transmitted light operation/V arrangement) or of the receiver side (67°+22°)-UV of the „Y“ fiber optics (in case of reflected light operation)

#### Accessories: (p. 8-14)

#### Fiber optics Mounting devices

