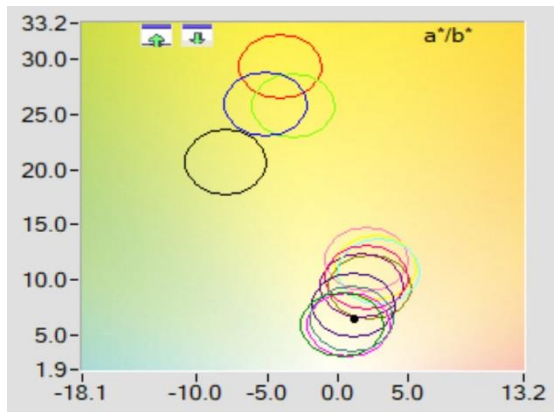




1. Color differentiation of different types of coffee

Different types of coffee should be distinguished by color. For this purpose, a color measurement sensor type **SPECTRO-3-FIO-MSM-DIG-DL** in connection with an optical fiber type **D-S-A2.0-(2.5)-600-67°** is used. At this, the optical fiber for the receiver is directed perpendicular to the sight glass, whereas the optical fiber for the transmitter is arranged 50° to the normal. The distance from the respective optical fiber front end to the sight glass plate is approximately 30mm. The different types of coffee can be proper differentiated as shown in the screenshots.



SPECTRO3 MSM DIG Scope V1.3

Sensor Instruments GmbH
Tel. ++49 (0) 8544-9719-0
www.sensorinstruments.de

CONNECT: TEACH, REC, PARA1 CALIB, GEN, PARA2 SCOPE

MAXCOL-No.: 16
INTLIM: 0
EVALUATION MODE: BEST HIT
SHAPE MODE: SPHERE
EXTEACH: OFF TRIGGER: CONT

	a*	b*	L*	deltaE		
5	2.74	11.09	54.45	3.00	0.00	0.00
6	2.31	9.27	53.79	3.00	0.00	0.00
7	1.73	9.46	53.82	3.00	0.00	0.00
8	2.97	10.71	55.06	3.00	0.00	0.00
9	2.11	10.20	53.63	3.00	0.00	0.00
10	1.21	7.69	52.32	3.00	0.00	0.00
11	0.79	5.90	50.16	3.00	0.00	0.00
12	0.40	5.92	51.65	3.00	0.00	0.00
13	1.09	6.38	50.78	3.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00

TEACH DATA TO No.: 14 Inc

TEACH MEAN TEACH REC RESET

RAM SEND GO
EE GET STOP
FILE

SPECTRO3 MSM DIG Scope V1.3

XYZ C SPACE C SPACE 3D

X: 794 Y: 784 Z: 659

XYZ plot (a*/b*) showing color space with circles and a central dot.

XYZ plot showing vertical axis values from 0 to 4096.

a*/L* plot showing color space with circles and a central dot.

b*/L* plot showing color space with circles and a central dot.

delta E: 0.18
C-No: 13

COMMUNICATION PORT: 7 SPECTRO3 MSM DIG V1.3 10/Jan/2018

Zur Suche Text hier eingeben

20:32 03.08.2018