












# ALL W.S. TYLER CPA-SYSTEMS AT A GLANCE.

## PHOTO-OPTICAL PARTICLE MEASURING INSTRUMENTS

		W.S. TYLER CPA LABORATORY UNITS			W.S. TYLER CPA INDUSTRIAL UNITS.						
											
DESIGNATION		CPA 2-1 HR	CPA 2-1	CPA 2 CONVEYOR	CPA 2-1 ONLINE	CPA 4-1	CPA 4-2	CPA 4 CONVEYOR	CPA 5 CONVEYOR	CPA 4 GRAVIOPT	HAVER CPA 5 GRAVIOPT
Number of measuring ranges	[-]	1	1	1	1	1	2	1	1	1	1
Measuring range	[mm]	0,010 - 4	0,020 - 30	0,036 - 45 non-spherical	0,034 - 25	0,063 - 50	0,035 - 15   0,091 - 90	0,096 - 220	0,4 - 400	0 - 50	0 - 200
Feeder width / Scanning width	[mm]	18	55	65	65	200	100   300	320	815	200	450
Conveyor width	[mm]	-	-	75	-	-	-	360	800	-	-
Hopper volume (approx.)	[l]	0,35	1,5	4	1,5	14	3,6   18	14	-	-	-
Application	[-]	Laboratory	Laboratory	Online / Laboratory	Online	Online / Laboratory	Online / Laboratory	Online / Laboratory	Inline	Online / Laboratoire	Online
Light source	[-]	LED	LED	LED	LED	LED	LED	LED	Fluorescent tube / LED	LED	LED
Dimensions (appr.) (LxWxH)	[mm]	730 x 260 x 360	800 x 200 x 355	940 x 260 x 580	850 x 300 x 500 (CPA)	1500 x 790 x 940	1770 x 810 x 1050	2230 x 830 x 1390	2221 x 1700 x 300	3000 x 790 x 2010	5400 x 720 x 1720
Weight (approx.)	[kg]	17	16	27	80	120	152	205	167	450	530
Operating voltage	[V]	230 or 115	230 or 115	230 or 115	230 or 115	230 or 115	230 or 115	230 or 115	230 or 115	230 or 115	230 or 115
Type of protection (standard)	[-]	IP 54	IP 54	IP 54	IP 65	IP 54	IP 54	IP 54	IP 64	IP 54	IP 54
Interfaces	[-]	BUS-Ext., GigE, USB	BUS-Ext., GigE, USB	BUS-Ext., GigE, USB	RS 485, RS 232, USB, Profibus (optional)	digital IO-Ports, GigE, RS 232	digital IO-Ports, GigE, RS 232	digital IO-Ports, GigE, RS 232	digital IO-Ports, GigE, RS 232	digital IO-Ports, GigE, RS 232	digital IO-Ports, GigE, RS 232
Horizontal resolution	[Pixel]	2048	2927	2048	2048	4096	4096	4096	2048 / 4096	4096	4096
Pixel frequency	[MHz]	60	100	60	50	60	60	50	50 / 60	60	60

## PERIPHERALS FOR W.S. TYLER CPA UNITS

										
DESIGNATION		HSD	HSD-S	DMS	EMZ	DISPERSION SYSTEM	AS 6	AS 12	AS 24	CPA CONTAINER
Grain size range	[mm]	2 - 45	0 - 15	0 - 45	0 - 45	-	0 - 30	0 - 30	0 - 30	0 - 50 with CPA 4 GRAVIOPT
Hopper volume (approx.)	[l]	23	0.1 (maxi. 100 g)	-	15	-	-	-	-	-
Application	[-]	for fast drying of moist bulk materials (Online / Laboratory)	for fast drying of moist fine bulk materials (Online / Laboratory)	for screening out the fine contents of bulk material (Online / Laboratory)	for conveying and dosing bulk materials (Online / Laboratory)	for destruction of agglomerates using ultrasound before CPA analysis (Online / Laboratory)	for the automatic feeding of CPA units (Online / Laboratory)	for the automatic feeding of CPA units (Online / Laboratory)	for the automatic feeding of CPA units (Online / Laboratory)	"Plug and Play"-Online-solution for integration into existing or newly planned systems (Online)
Dimensions (appr.) (LxWxH)	[mm]	1500 x 700 x 1500	530 x 330 x 550	1000 x 600 x 1300	860 x 700 x 1700	380 x 245 x 420	1100 x 400 x 880	1760 x 400 x 1300	1760 x 550 x 1300	4050 x 2170 x 2470
Weight (approx.)	[kg]	220	230 or 115	127	81	14	70	76	90	1250 (incl. fittings)
Operating voltage	[V]	400	IP 54	230 or 115	230 or 115	230 or 115	230 or 115	230 or 115	230 or 115	230 or 115
Type of protection (standard)	[-]	IP 54	0,5	IP 55	IP 55	IP 54	IP 54	IP 54	IP 54	-
Power	[kW]	18.54	170	-	-	0,1	-	-	-	Air conditioner: 2.14 Rapid heater: 1.00
max. heating temperature	[°C]	600	-	-	-	-	-	-	-	-
max. air quantity	[l/min]	3900	-	-	-	-	-	-	-	-
Number of containers	[pce.]	-	-	-	-	-	6	12	24	-
Container capacity (standard)	[ml]	-	-	-	-	-	500	500	500	-

