System	Sensor	Spectral Range in nm	Viewing Angle
Compact Flame Scanner F200K	UV-1	260 400	8°
(Ex Zone 1, Ex Zone 2 and Safe Area)	UV-2	210 380	8°
	UV-3	210 380	8°
	UV-6	221 358	
	IR-1	1200 2800	60°
	IR-1 H	1200 2800	60°
	IR-2	850 1200	50°
	IR-2 F	850 1200	50°
Compact Flame Scanner F300K (Ex-Zone 2)	UVIR-1	215 360 / 1000 1700	8°
	IR-2	850 1200	20°
	IR-3	1000 1700	60°
	IR-4	1000 2200	60°
	UV-1	260 400	8°
	UV-4	215 360	8°
	UV-4.6 (UV-6 in preparation)	221 358	
Flame Scanner FFS07 (Ex-Zone 1 and 2)			
<image/>	IR-1	1200 2800	60°
	UV-1	260 400	8°
	UV-4	210 380	8°
Flame Scanner FFS08			
	IR-1	1200 2800	60°
	UV-1	260 400	8°
	UV-4	210 380	8°

LAMTEC Meß- und Regeltechnik für Feuerungen GmbH & Co. KG Wiesenstraße 6 D-69190 Walldorf Tel: +49 (0) 6227 6052-0 Fax: +49 (0) 6227 6052-57



info@lamtec.de



Fig. Sensor signal as a dependence on wavelength

LAMTEC FLAME SCANNER SYSTEMS

Application	Selection Level	Additional Inform
Oil, Gas, Flame/Smoke-tube bollers	Ŧ	Small sensor chip area
Oil, Gas, gaseous special fuels, other waste materials without high water content	++	Large sensor chip area
Oil, Gas	++	Sensor element similar to UV-2 but smaller chip
Oil, Gas	++	Especially large sensor chip area - mainly used w
Oil, Gas, Wood and coal fired furnaces with strong recirculation or flames without UV radiation (high water or dust content)	+	
Wood grate firing systems	+	Frequency range 5, 10, 17 190 Hz, Safety time 3
Combustion space monitoring	+	Frequency range 7,5, 11, 17 190 Hz, Safety time Monitoring of combustion chambers and combu
Combustion space monitoring	+	Frequency range 7,5, 11, 17 190 Hz, Safety time 3 s or 4
Multiple fuels including special gases such as refinery gases and blast furnace gases. Also gases with water and dust content.	+++	Double sensor can be used very flexibly. Three o UV & IR components can be weighted and blend
Combustion space monitoring	+	
Oil, Gas, Wood and coal fired furnaces with strong recirculation or flames without UV radiation (high water or dust content)	++	
Oil, Gas, Wood and coal fired furnaces with strong recirculation or flames without UV radiation (high water or dust content)	++	
Oil, Gas	+++	same as F200K UV-1
Oil, Gas, gaseous special fuels, other waste materials without high water content	+++	same as F200K UV-2
Oil, Gas	+++	Especially large sensor chip area - mainly used w
Oil, Gas (Single burner monitoring)	+	in combination with F152 or ETAMATIC with interr
Oil, Gas (Single burner monitoring)	+	in combination with F152 or ETAMATIC with interr
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Oil, Gas (Single burner monitoring)	+	in combination with F152 or ETAMATIC with intern
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Fig. Example: Networking of several F300K