

Non-Contact Temperature Measurement

DIGITAL – INFRARED – PYROMETER

Temperature range -20 to 1000°C (-4 - 1832°F)

Temperature control during production process

compact units – Infrared – measuring transducer and electronic process unit in one case with light beam aiming device or optical viewfinder, focusable optic, serial interface, limit output

Series KTRD 1105



MAURER – Infrared – pyrometer can also assist you to monitor your heating processes, ensuring a uniform standard of quality for your products.

leaflet KTRD 1105



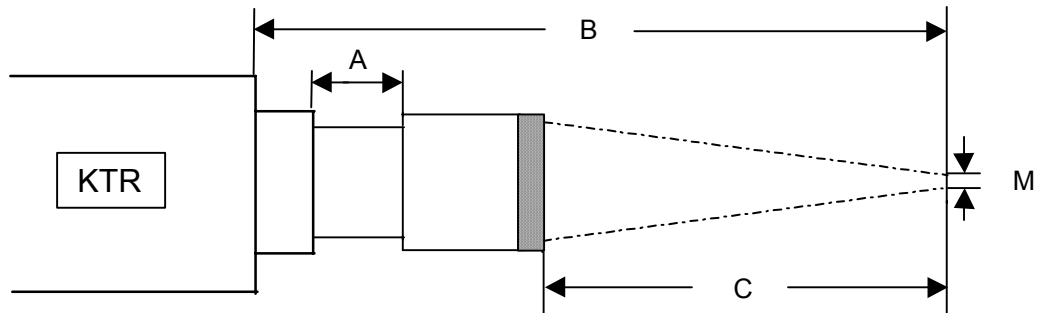
<http://www.maurer-ir.de>

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Optic tables for KTRD 1105



Optic-type	: IR 1040		
Lens	: f=1,5" Ø=1" (12/04)		
Meas. aperture	: 1,0 mm Ø		
Meas. distance from casing of meas. head B / mm	Meas. distance from optic front edge C / mm	Optic extension A / mm	Target size M / mm=d
150	116,0	13	3,0
200	170,8	8,2	4,0
300	273,9	5,1	6,8
400	375,2	3,8	9,5
500	476,5	2,5	12,2
600	577,3	1,7	15,5
700	677,7	1,3	17,3
800	778,2	0,8	20,6
900	878,6	0,4	24,2
1000	979,0	0	29,4

Optic-type	: IR 1060-N		
Lens	: f 2,5" Ø=1" (01/06)		
Meas. aperture	: 1,0 mm Ø		
Meas. distance from casing of meas. head B / mm	Meas. distance from optic front edge C / mm	Optic extension A / mm	Target size M / mm=d
300	244	13	3,4
350	298	9,0	4,0
400	350,6	6,4	4,9
450	402,3	4,7	6,0
500	454	3,0	6,6
550	505	2,0	7,7
600	556	1,0	8,5
650	607	0	9,3
700	657	0	10
900	857	0	22,2

Optic-type	: IR 1060-T		
Lens	: f 2,5" Ø=1"		
Meas. aperture	: 1,0 mm Ø		
Meas. distance from casing of meas. head B / mm	Meas. distance from optic front edge C / mm	Optic extension A / mm	Target size M / mm=d
440	384	13	5,4
500	444,8	12,2	6,1
600	547,3	9,7	7,8
700	649,1	7,9	8,6
800	750,2	6,8	10,4
900	851	6	12
1000	951,3	5,7	13,6
1500	1452,2	4,8	21
2000	1952,6	4,4	29,8
3000	2954,5	2,5	42
4000	3955,6	1,4	60
5000	4956	1,0	75

Optic-type	: IR 1040-M		
Lens	: f 1,5" Ø=1"		
Meas. aperture	: 1,0 mm Ø		
Meas. distance from casing of meas. head B / mm	Meas. distance from optic front edge C / mm	Optic extension A / mm	Target size M / mm=d
103	60	0	1,5

Target=98 % of beam density of the surface

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