
H-AC Projekt s.r.o.

Hemerikova 2
040 23
Košice
0948 506 425
hacprojekt@hacprojekt.sk
www.hacprojekt.sk

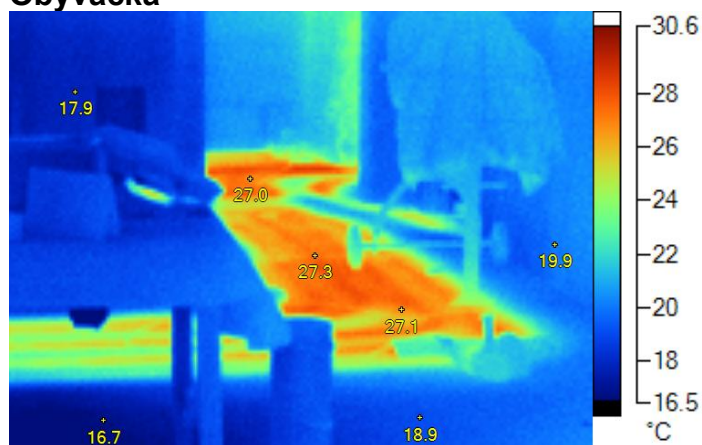
Termografická skúška podľa STN EN 13187 - zjednodušená

Protokol č.

Prepared For:

Teploty zobrazené na termovízných snímkoch nie sú v tomto prípade absolútne. Je nutné analyzovať rozdiely medzi jednotlivými teplotami.

Obývačka



IR000176.IS2

11/13/2009 5:03:20 PM

Zreteľný rozdiel medzi "odstaveným" okruhom a okruhmi v prevádzke. Pohľad smerom k vstupu.

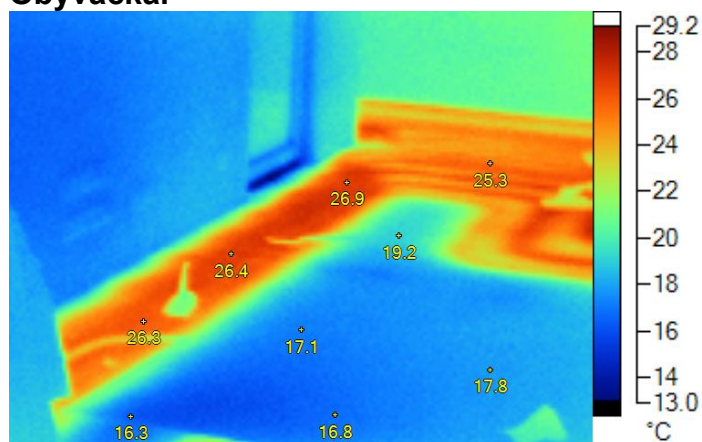
Image Info

Background Temperature	22.0°C
Emissivity	0.95
Average Temperature	20.6°C
Image Range	15.8°C to 28.7°C
Camera Model	TiRx
DSP Version	1.3.0
OCA Version	1.3.0.0
Manufacturer	Fluke
Lens Description	20mm
Image Time	11/13/2009 5:03:20 PM
Calibration Range	-25.0°C to 105.0°C

Main Image Markers

Name	Temperature	Emissivity	Background
P0	27.0°C	0.95	22.0°C
P1	27.3°C	0.95	22.0°C
P2	27.1°C	0.95	22.0°C
P3	18.9°C	0.95	22.0°C
P4	19.9°C	0.95	22.0°C
P5	17.9°C	0.95	22.0°C
P6	16.7°C	0.95	22.0°C

Obývačka.



IR000178.IS2

11/13/2009 5:04:41 PM

Na snímke je nefunkčný (odpojený?) okruh podlahového vykurovania. Pohľad smerom do chodby.

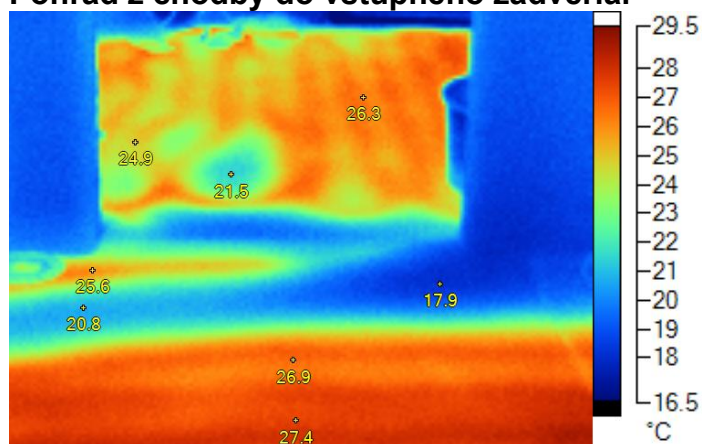
Image Info

Background Temperature	22.0°C
Emissivity	0.95
Average Temperature	19.7°C
Image Range	11.9°C to 27.7°C
Camera Model	TiRx
DSP Version	1.3.0
OCA Version	1.3.0.0
Manufacturer	Fluke
Lens Description	20mm
Image Time	11/13/2009 5:04:41 PM
Calibration Range	-25.0°C to 105.0°C

Main Image Markers

Name	Temperature	Emissivity	Background
P0	26.3°C	0.95	22.0°C
P1	26.4°C	0.95	22.0°C
P2	26.9°C	0.95	22.0°C
P3	25.3°C	0.95	22.0°C
P4	19.2°C	0.95	22.0°C
P5	17.1°C	0.95	22.0°C
P6	17.8°C	0.95	22.0°C
P7	16.8°C	0.95	22.0°C
P8	16.3°C	0.95	22.0°C

Pohľad z chodby do vstupného zádveria.



IR000189.IS2

11/13/2009 5:17:25 PM

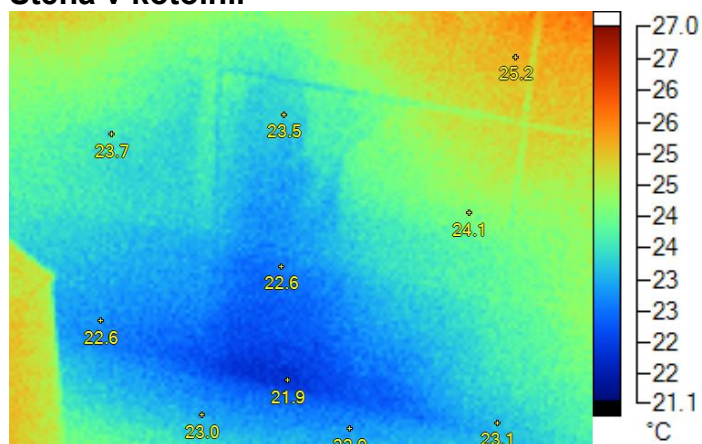
Image Info

Background Temperature	22.0°C
Emissivity	0.95
Average Temperature	23.2°C
Image Range	13.2°C to 29.0°C
Camera Model	TiRx
DSP Version	1.3.0
OCA Version	1.3.0.0
Manufacturer	Fluke
Lens Description	20mm
Image Time	11/13/2009 5:17:25 PM
Calibration Range	-25.0°C to 105.0°C

Main Image Markers

Name	Temperature	Emissivity	Background
P0	26.3°C	0.95	22.0°C
P1	17.9°C	0.95	22.0°C
P2	20.8°C	0.95	22.0°C
P3	25.6°C	0.95	22.0°C
P4	27.4°C	0.95	22.0°C
P5	26.9°C	0.95	22.0°C
P6	21.5°C	0.95	22.0°C
P7	24.9°C	0.95	22.0°C

Stena v kotolni.



IR000191.IS2

11/13/2009 5:18:37 PM

Chladnejšie miesto na stene v kotolni.

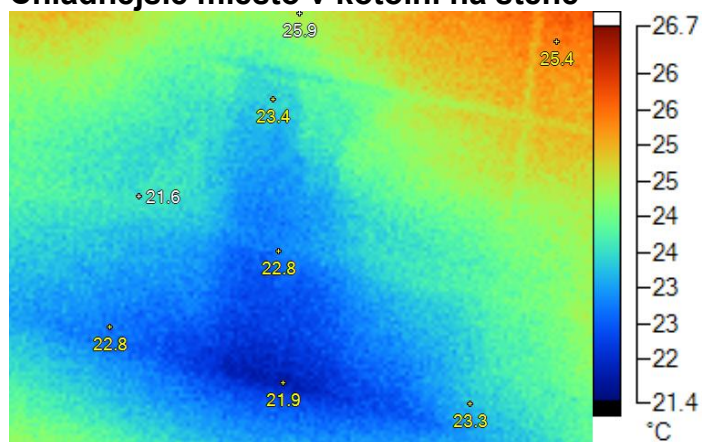
Image Info

Background Temperature	22.0°C
Emissivity	0.95
Average Temperature	23.6°C
Image Range	21.6°C to 25.9°C
Camera Model	TiRx
DSP Version	1.3.0
OCA Version	1.3.0.0
Manufacturer	Fluke
Lens Description	20mm
Image Time	11/13/2009 5:18:37 PM
Calibration Range	-25.0°C to 105.0°C

Main Image Markers

Name	Temperature	Emissivity	Background
P0	21.9°C	0.95	22.0°C
P1	25.2°C	0.95	22.0°C
P2	23.5°C	0.95	22.0°C
P3	22.6°C	0.95	22.0°C
P4	22.6°C	0.95	22.0°C
P5	23.1°C	0.95	22.0°C
P6	24.1°C	0.95	22.0°C
P7	23.7°C	0.95	22.0°C
P8	23.0°C	0.95	22.0°C
P9	22.9°C	0.95	22.0°C

Chladnejšie miesto v kotolni na stene



IR000197.IS2

11/13/2009 5:22:25 PM

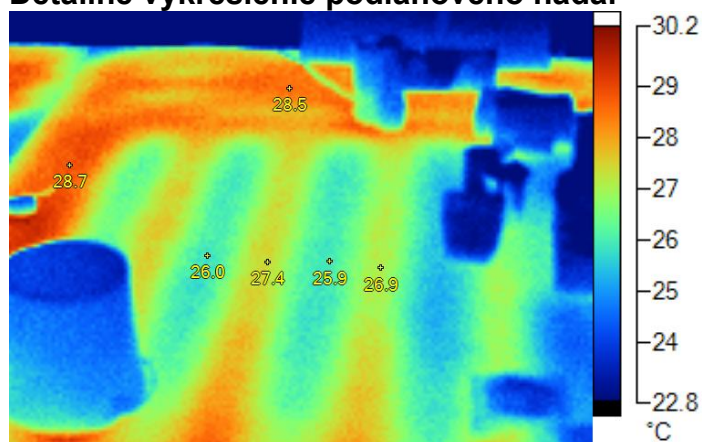
Image Info

Background Temperature	22.0°C
Emissivity	0.95
Average Temperature	23.6°C
Image Range	21.6°C to 25.9°C
Camera Model	TiRx
DSP Version	1.3.0
OCA Version	1.3.0.0
Manufacturer	Fluke
Lens Description	20mm
Image Time	11/13/2009 5:22:25 PM
Calibration Range	-25.0°C to 105.0°C

Main Image Markers

Name	Temperature	Emissivity	Background
Teplá	25.9°C	0.95	22.0°C
Studená	21.6°C	0.95	22.0°C
P0	25.4°C	0.95	22.0°C
P1	21.9°C	0.95	22.0°C
P2	23.4°C	0.95	22.0°C
P3	22.8°C	0.95	22.0°C
P4	22.8°C	0.95	22.0°C
P5	23.3°C	0.95	22.0°C

Detailné vykreslenie podlahového hada.



IR000199.IS2

11/13/2009 5:27:42 PM

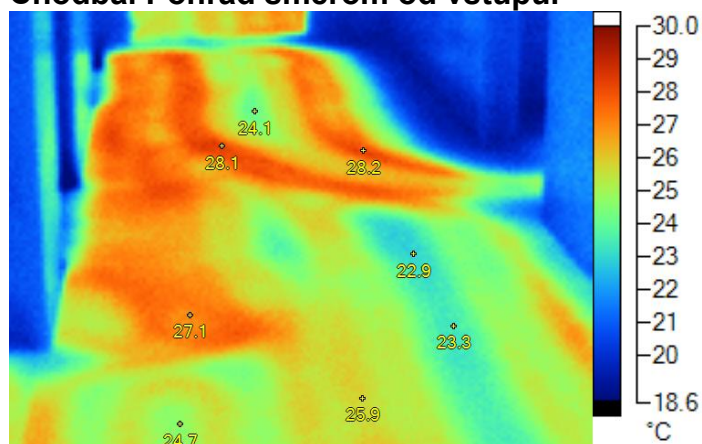
Image Info

Background Temperature	22.0°C
Emissivity	0.95
Average Temperature	25.9°C
Image Range	20.5°C to 29.9°C
Camera Model	TiRx
DSP Version	1.3.0
OCA Version	1.3.0.0
Manufacturer	Fluke
Lens Description	20mm
Image Time	11/13/2009 5:27:42 PM
Calibration Range	-25.0°C to 105.0°C

Main Image Markers

Name	Temperature	Emissivity	Background
P0	28.7°C	0.95	22.0°C
P1	28.5°C	0.95	22.0°C
P2	26.0°C	0.95	22.0°C
P3	27.4°C	0.95	22.0°C
P4	25.9°C	0.95	22.0°C
P5	26.9°C	0.95	22.0°C

Chodba. Pohľad smerom od vstupu.



IR000200.IS2

11/13/2009 5:28:35 PM

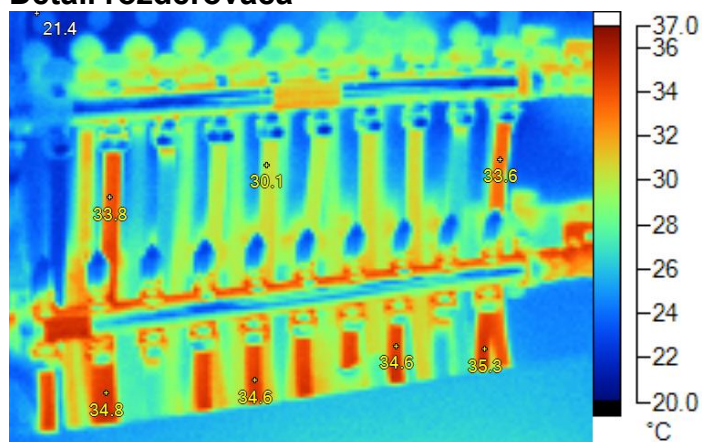
Image Info

Background Temperature	22.0°C
Emissivity	0.95
Average Temperature	24.3°C
Image Range	17.4°C to 28.6°C
Camera Model	TiRx
DSP Version	1.3.0
OCA Version	1.3.0.0
Manufacturer	Fluke
Lens Description	20mm
Image Time	11/13/2009 5:28:35 PM
Calibration Range	-25.0°C to 105.0°C

Main Image Markers

Name	Temperature	Emissivity	Background
P0	28.1°C	0.95	22.0°C
P1	28.2°C	0.95	22.0°C
P2	24.1°C	0.95	22.0°C
P3	23.3°C	0.95	22.0°C
P4	22.9°C	0.95	22.0°C
P5	27.1°C	0.95	22.0°C
P6	24.7°C	0.95	22.0°C
P7	25.9°C	0.95	22.0°C

Detail rozdeľovača



IR000201.IS2

11/13/2009 5:30:29 PM

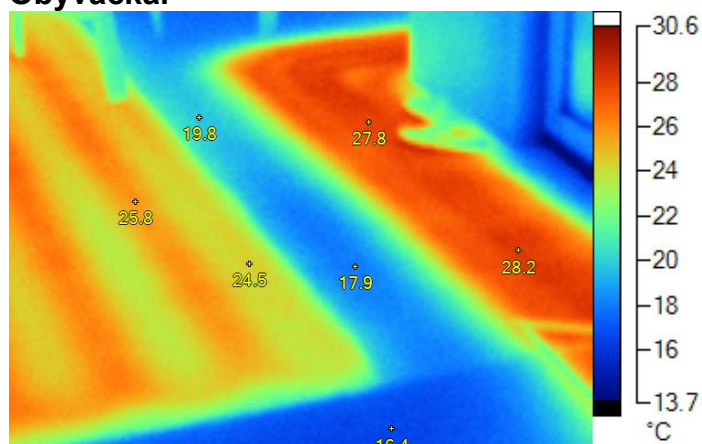
Image Info

Background Temperature	22.0°C
Emissivity	0.95
Average Temperature	27.6°C
Image Range	21.4°C to 35.7°C
Camera Model	TiRx
DSP Version	1.3.0
OCA Version	1.3.0.0
Manufacturer	Fluke
Lens Description	20mm
Image Time	11/13/2009 5:30:29 PM
Calibration Range	-25.0°C to 105.0°C

Main Image Markers

Name	Temperature	Emissivity	Background
Studená	21.4°C	0.95	22.0°C
P0	33.8°C	0.95	22.0°C
P1	30.1°C	0.95	22.0°C
P2	33.6°C	0.95	22.0°C
P3	35.3°C	0.95	22.0°C
P4	34.6°C	0.95	22.0°C
P5	34.8°C	0.95	22.0°C
P6	34.6°C	0.95	22.0°C

Obývačka.



IR000206.IS2

11/13/2009 5:35:58 PM

Na spodnej časti snímku je "nefunkčný" okruh v obývačke a studený koridor do "jedálenského kúta"?

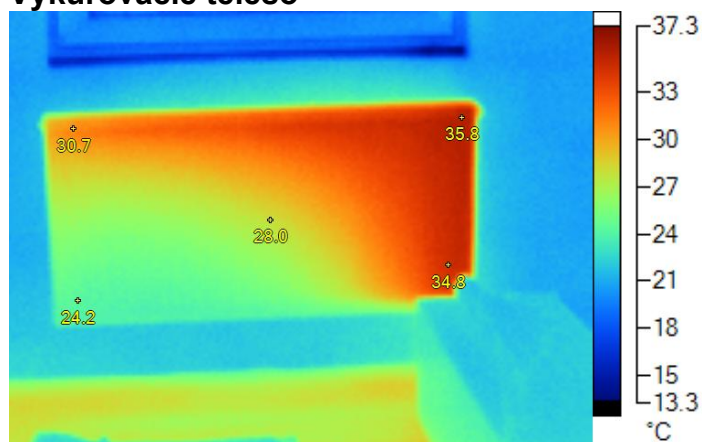
Image Info

Background Temperature	22.0°C
Emissivity	0.95
Average Temperature	22.7°C
Image Range	12.5°C to 29.0°C
Camera Model	TiRx
DSP Version	1.3.0
OCA Version	1.3.0.0
Manufacturer	Fluke
Lens Description	20mm
Image Time	11/13/2009 5:35:58 PM
Calibration Range	-25.0°C to 105.0°C

Main Image Markers

Name	Temperature	Emissivity	Background
P0	27.8°C	0.95	22.0°C
P1	28.2°C	0.95	22.0°C
P2	25.8°C	0.95	22.0°C
P3	24.5°C	0.95	22.0°C
P4	17.9°C	0.95	22.0°C
P5	19.8°C	0.95	22.0°C
P6	16.4°C	0.95	22.0°C

Vykurovacie teleso



IR000208.IS2

11/13/2009 5:36:55 PM

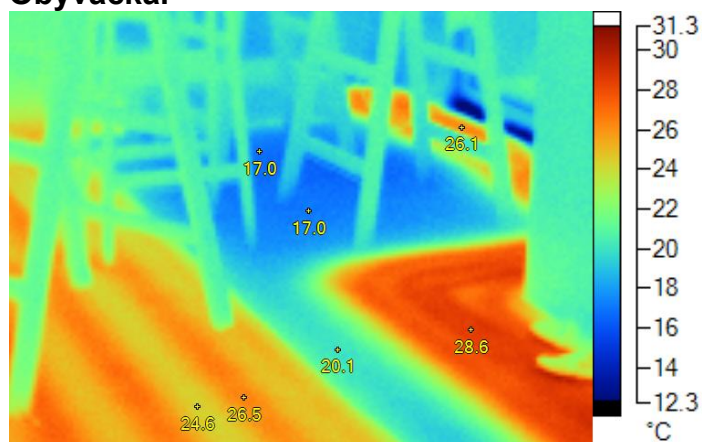
Image Info

Background Temperature	22.0°C
Emissivity	0.95
Average Temperature	24.9°C
Image Range	12.8°C to 35.9°C
Camera Model	TiRx
DSP Version	1.3.0
OCA Version	1.3.0.0
Manufacturer	Fluke
Lens Description	20mm
Image Time	11/13/2009 5:36:55 PM
Calibration Range	-25.0°C to 105.0°C

Main Image Markers

Name	Temperature	Emissivity	Background
P0	35.8°C	0.95	22.0°C
P1	34.8°C	0.95	22.0°C
P2	30.7°C	0.95	22.0°C
P3	24.2°C	0.95	22.0°C
P4	28.0°C	0.95	22.0°C

Obývačka.



IR000210.IS2

11/13/2009 5:37:58 PM

Studený koridor medzi okrajovým pásom pod oknami a okruhom podlahového vykurovania. Na snímke je vidieť studenu zónu v jedálenskom kúte? (v mieste rebríkov).

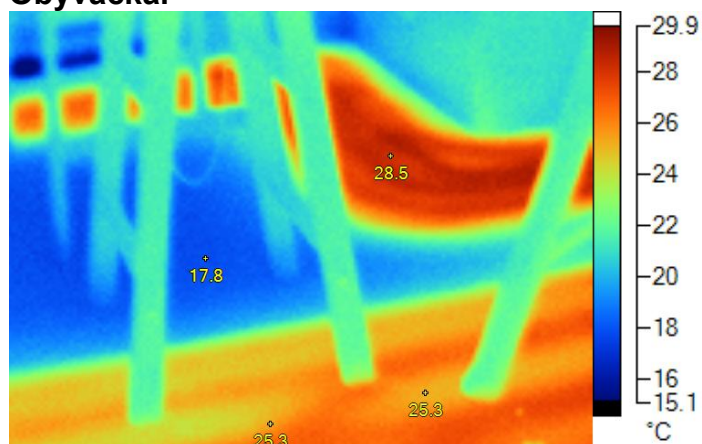
Image Info

Background Temperature	22.0°C
Emissivity	0.95
Average Temperature	22.2°C
Image Range	9.1°C to 30.3°C
Camera Model	TiRx
DSP Version	1.3.0
OCA Version	1.3.0.0
Manufacturer	Fluke
Lens Description	20mm
Image Time	11/13/2009 5:37:58 PM
Calibration Range	-25.0°C to 105.0°C

Main Image Markers

Name	Temperature	Emissivity	Background
P0	28.6°C	0.95	22.0°C
P1	20.1°C	0.95	22.0°C
P2	24.6°C	0.95	22.0°C
P3	26.5°C	0.95	22.0°C
P4	17.0°C	0.95	22.0°C
P5	26.1°C	0.95	22.0°C
P6	17.0°C	0.95	22.0°C

Obývačka.



IR000213.IS2

11/13/2009 5:39:59 PM

Studený koridor medzi okrajovým pásom pod oknami a okruhom podlahového vykurovania. Na snímke je vidieť studenu zónu v jedálenskom kúte? (v mieste rebríkov)

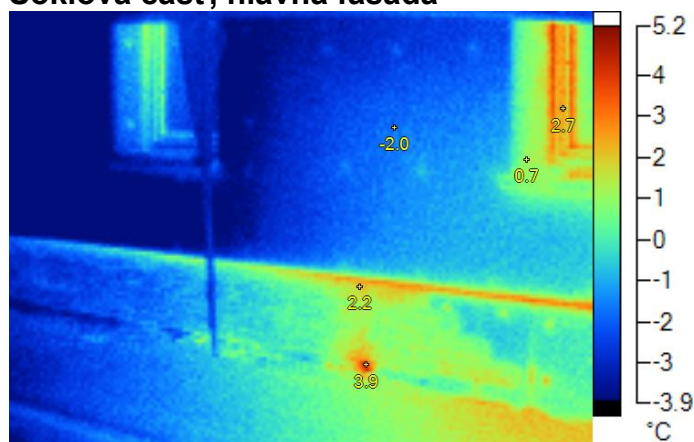
Image Info

Background Temperature	22.0°C
Emissivity	0.95
Average Temperature	22.5°C
Image Range	13.1°C to 29.3°C
Camera Model	TiRx
DSP Version	1.3.0
OCA Version	1.3.0.0
Manufacturer	Fluke
Lens Description	20mm
Image Time	11/13/2009 5:39:59 PM
Calibration Range	-25.0°C to 105.0°C

Main Image Markers

Name	Temperature	Emissivity	Background
P0	28.5°C	0.95	22.0°C
P1	17.8°C	0.95	22.0°C
P2	25.3°C	0.95	22.0°C
P3	25.3°C	0.95	22.0°C

Soklová časť, hlavná fasáda



IR000214.IS2

11/13/2009 5:49:57 PM

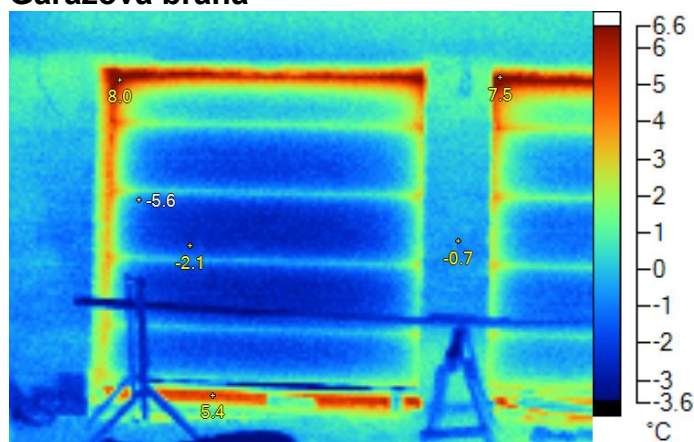
Image Info

Background Temperature	22.0°C
Emissivity	0.95
Average Temperature	-1.6°C
Image Range	-7.3°C to 4.3°C
Camera Model	TiRx
DSP Version	1.3.0
OCA Version	1.3.0.0
Manufacturer	Fluke
Lens Description	20mm
Image Time	11/13/2009 5:49:57 PM
Calibration Range	-25.0°C to 105.0°C

Main Image Markers

Name	Temperature	Emissivity	Background
P0	2.7°C	0.95	22.0°C
P1	0.7°C	0.95	22.0°C
P2	-2.0°C	0.95	22.0°C
P3	3.9°C	0.95	22.0°C
P4	2.2°C	0.95	22.0°C

Garážová brána



IR000217.IS2

11/13/2009 5:52:18 PM

Image Info

Background Temperature	22.0°C
Emissivity	0.95
Average Temperature	0.0°C
Image Range	-5.6°C to 8.6°C
Camera Model	TiRx
DSP Version	1.3.0
OCA Version	1.3.0.0
Manufacturer	Fluke
Lens Description	20mm
Image Time	11/13/2009 5:52:18 PM
Calibration Range	-25.0°C to 105.0°C

Main Image Markers

Name	Temperature	Emissivity	Background
Studená	-5.6°C	0.95	22.0°C
P0	8.0°C	0.95	22.0°C
P1	7.5°C	0.95	22.0°C
P2	-2.1°C	0.95	22.0°C
P3	5.4°C	0.95	22.0°C
P4	-0.7°C	0.95	22.0°C

Hlavná fasáda



IR000218.IS2

11/13/2009 5:53:27 PM

Image Info

Background Temperature	5.0°C
Emissivity	0.95
Average Temperature	-1.5°C
Image Range	~-27.7°C to 7.3°C
Camera Model	TiRx
DSP Version	1.3.0
OCA Version	1.3.0.0
Manufacturer	Fluke
Lens Description	20mm
Image Time	11/13/2009 5:53:27 PM
Calibration Range	-25.0°C to 105.0°C

Main Image Markers

Name	Temperature	Emissivity	Background
Teplá	7.3°C	0.95	5.0°C
P0	5.2°C	0.95	5.0°C
P1	7.3°C	0.95	5.0°C
P2	2.8°C	0.95	5.0°C
P3	-1.3°C	0.95	5.0°C
P4	1.6°C	0.95	5.0°C
P5	-1.7°C	0.95	5.0°C
P6	-2.0°C	0.95	5.0°C