

Model No	TN901	TN902	TN903	TN0am	TN0pm	TN0pn
Description	Compact Digital Thermopile Module	Compact Digital Thermopile Module (with thinner Mirror)	Compact Digital Thermopile Module(TPI perpendicular to PCB)	for Appliance; Industrial Market.	for Pen Market	for Pen Market
Status	Production	Production	Production	Production	Production	Production
Photo						
Characteristic:				No Stock	Stock	No Stock
Measurement Range	-33~220°C -27~428°F	-33~220°C -27~428°F	-33~220°C -27~428°F	-33~220°C -27~428°F	-33~110°C -27~230°F	-33~110°C -27~230°F
Operating Range	-10~50°C 14~122°F	-10~50°C 14~122°F	-10~50°C 14~122°F	-10~50°C 14~122°F	0~50°C 32~122°F	0~50°C 32~122°F
Accuracy #AC	+/-2%, 2°C	+/-2%, 2°C	+/-2%, 2°C	+/-2%, 2°C	+/-2.5%, 2.5°C	+/-2.5%, 2.5°C
Accuracy, #AC2 Tobj=15-35, Tamb=25	+/-0.6°C	+/-0.6°C	+/-0.6°C	+/-0.6°C	+/-1°C	+/-1°C
Resolution	1/16°C	1/16°C	1/16°C	1/16°C	0.2°C/0.5°F	0.2°C/0.5°F
Response Time (90%)	1sec	1sec	1sec	1sec	1sec	1sec
D:S	1:1	1:1	1:1	1:1	1:1	1:1
Possible Emissivity	0.1~1 Step.01	0.1~1 Step.01	0.1~1 Step.01	0.1~1 Step.01	0.95 fixed	0.95 fixed
Update Frequency	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz	1.4Hz
Dimension	12x13.7x35mm	12x13.7x35mm	12x13.7x35mm	12x14.5x58mm	12x14.5x58mm	12x12x58mm
Wave Length	5um-14um	5um-14um	5um-14um	5um-14um	5um-14um	5um-14um
Weight	9g	9g	9g		10g	10g
Power Supply	3-4.5V	3-4.5V	3-4.5V	3-4.5V	LR44,L1154,A76 or any 3Volt	LR44,L1154,A76 or any 3Volt
Battery Life #BL	NA	NA	NA	NA	LR44=Typ.30hr	LR44=Typ.30hr
Special Features						
Output Type:						
Serial Output	Tobj, Tamb	Tobj, Tamb	Tobj, Tamb	Tobj, Tamb	Tobj, Tamb	Tobj, Tamb
4-20mA	Yes #HUB-i	Yes #HUB-i	Yes #HUB-i	Yes #HUB-i	N.A.	N.A.
0-10V	Yes #HUB-i	Yes #HUB-i	Yes #HUB-i	Yes #HUB-i	N.A.	N.A.
RS-232	Yes #HUB	Yes #HUB	Yes #HUB	Yes #HUB	N.A.	N.A.
RS-485,RS-422	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
K type output	Yes #HUB-i	Yes #HUB-i	Yes #HUB-i	Yes #HUB-i	N.A.	N.A.