

1 Initial Selection

Type

34/Gen2 OTI 35/Gen2 WT1

↓

Internal Matching Resistance

None
TD50 - CT <2.20 amps
TD76- CT <2.65 amps
TD50 (X2) Double Gradient
TD76(X2) Double Gradient
TD50&TD76 Double Gradient
TD50 (5Amp) -CT ≤5 amps

See section 5 on the manual

2 Measurement

Measurement Range
(Dial Indication range °C)

<input type="checkbox"/> 01 (0 - 150°C)
<input type="checkbox"/> 02 (30 - 180°C)
<input type="checkbox"/> 05 (-20 - 130°C)
<input type="checkbox"/> 06 (0 - 160°C)
<input type="checkbox"/> 07 (0 - 150°C & 32 - 302°F)
<input type="checkbox"/> 08 (-20 - 130°C & -4 - 266°F)
<input type="checkbox"/> 09 (0 - 160°C & 32 - 320°F)

Measuring Accuracy

<input checked="" type="checkbox"/> ±2% of FSD / 3°C
<input type="checkbox"/> ±1.3% of FSD / 2°C
<input type="checkbox"/> ±1% of FSD / 1.5°C

OPTION SHEET AKM345 GEN2 - Used in conjunction with **Manual IST-103-1** for selection information. Defaults are selected for ease of use.

3 Switch Selection

How Many Switches 1-6?

See section 8 on the manual

Switch Selection	
Switch Type	SPDT
	STD e.g 15A
	MBO
	GOLD
	GW
	DPDT

6 contacts or 3 switches max

Adjustable Switch Differential	Adjustable 5-25°C	No. of switches to be adjustable 1-6
		0

*Switch Differential (if not Adjustable)	(STD) 12± 2°C	X
	6± 1°C	
	10± 1°C	

*E.g If 4 switches are selected out of 6 to be adjustable: Switch 1,2,3,4 will have fully adjustable switch differential, switch 5&6 will default to 12±2°C switch differential.



Notes:

6 Environment

Protection Class

<input checked="" type="checkbox"/> IP55 - Hose water and Dust
<input type="checkbox"/> IP65 - Sealed (Tempered Glass Only)

See section 12 on the manual

Lens Material

<input checked="" type="checkbox"/> Polycarbonate
<input type="checkbox"/> Tempered Glass

Case Finish

<input checked="" type="checkbox"/> RAL7000 -Powder Coat Finish
<input type="checkbox"/> C5-M-High Durability RAL7000

Mounting

<input checked="" type="checkbox"/> Standard Mounting
<input type="checkbox"/> Seismic
<input type="checkbox"/> Universal

See section 6 on the manual

5 Input /Output

Cable Entry Description
(Large Glands / Small Glands)

<input type="checkbox"/> W/PLUGS	Plastic Plugs / Plastic Plugs
<input checked="" type="checkbox"/> M25 & M20	M25 Gland / M20 Gland
<input type="checkbox"/> G3/4	G3/4 Adaptor / M20 Gland
<input type="checkbox"/> 1/2-14 NPT	1/2-14 NPT Adaptor / M20 Gland

Remote Output

<input checked="" type="checkbox"/> None
<input type="checkbox"/> TD111 - 4 20 mA
<input type="checkbox"/> TD119-1 - 0-1mA
<input type="checkbox"/> TD119-2 - 0-5mA
<input type="checkbox"/> TD119-3 - 0-10mA
<input type="checkbox"/> TD119-4 - 0-20mA
<input type="checkbox"/> TD119-5 - 4-20mA & 0-5V DC
<input type="checkbox"/> TD119-6 - 4-20mA & 0-10V DC
<input type="checkbox"/> TD66 CU10
<input type="checkbox"/> TD66 PT100
<input type="checkbox"/> TD66 1-8,5 kOhm

See section 13.2 on the manual

4 Temperature Sensing Probe and Capillary

See section 11 on the manual

Probe Connection	Probe Connection					
	11	12	15	16	18	19
Square Flange						
G3/4" Male						
G1" Male						
7/8" - 14 UNF Male						
G1/2" Male						
G1/2" Female						
G3/4" Female						
M22 x 1.5mm						
M27 x 2mm						

Capillary Length Range 1-20 Metres
(Only Whole numbers - 6 Metres Std)

Capillary Length: