



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

**1 Initial Selection**

34/Gen2 OTI	Type	35/Gen2 WTI
Label ↓		Label ↓
OTI		WTI
WTI		
		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)

01 (0 - 150°C)
02 (30 - 180°C)
05 (-20 - 130°C)
06 (0 - 160°C)
07 (0 - 150°C & 32 - 302°F)
08 (-20 - 130°C & -4 - 266°F)
09 (0 - 160°C & 32 - 320°F)

**Measuring Accuracy**

±2% of FSD / 3°C
±1.3% of FSD / 2°C
±1% of FSD / 1.5°C

**3 Switch Selection**

How Many Switches 1-6?

See section 8 on the manual

Switch Type	SPDT	STD e.g 15A	Switch Selection
		MBO	
		GOLD	
		GW	
		DPDT	6 contacts or 3 switches max

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

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

\*E.g If 4 switches are selected out of 6 to be adjustable, remaining 2 will default to 12± 2°C switch differential



Notes:

**6 Environment**

**Protection Class**

IP55 - Hose water and Dust
IP56 - Jetted Hose Water and Dust
IP65 - Sealed

See section 12 on the manual

**Lens Material**

Polycarbonate
Tempered Glass

**Case Finish**

RAL7000 - Powder Coat Finish
C5-M-High Durability RAL7000

**Mounting**

Standard Mounting
Seismic
Universal

See section 6 on the manual

**5 Input /Output**

**Cable Entry Description**  
(Large Glands / Small Glands)

W/PLUGS	Plastic Plugs / Plastic Plugs
M25 & M20	M25 Gland / M20 Gland
G3/4	G3/4 Adaptor / M20 Gland
1/2-14 NPT	1/2-14 NPT Adaptor / M20 Gland

**Remote Output**

None
TD111 - 4 20 mA
TD119-1 - 0-1mA
TD119-2 - 0-5mA
TD119-3 - 0-10mA
TD119-4 - 0-20mA
TD119-5 - 4-20mA & 0-5V DC
TD119-6 - 4-20mA & 0-10V DC
TD66 CU10
TD66 PT100
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					
	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:  15 m