



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       |
| Munsell -5Y7/1 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   | 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: