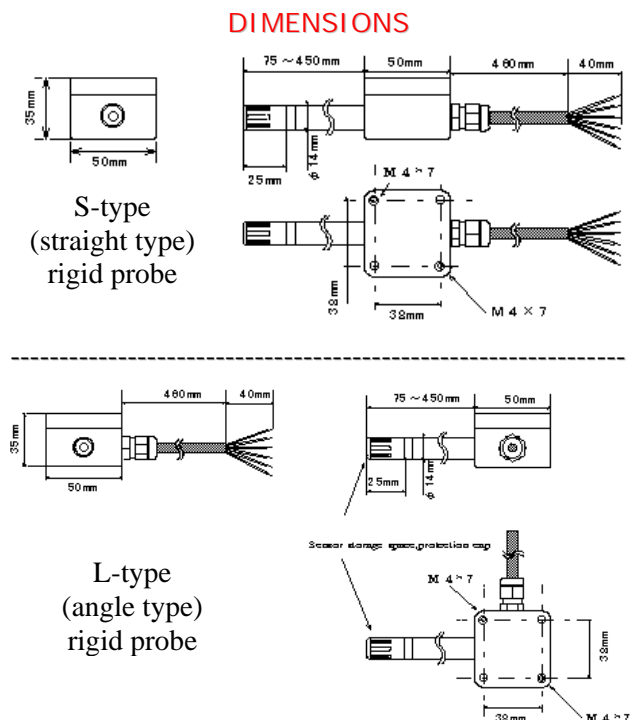


TECHNICAL SPECIFICATIONS		
DESCRIPTION	MODEL TA-502	MODEL TA-503
Measuring range (RH)	0~100%	0~100%
Accuracy (at 25°C)	±2% rH (10~90% rH) ±3% rH (2~10% rH)	±3% Rh (10~90% rH) ±4% rH (2~10% rH)
Temperature limits	-25~100°C (sensor head) and -5~55°C (electronic unit)	
Sensor	A-polymer capacitance sensor model TI-A	
Response time (90%)	15 sec. (using membrane filter)	
Output (0~100% rH)	Current output: 4~20mA DC (for 0~100% rH scale) or Voltage output: 0~5VDC, 0~1 VDC, 0~5VDC	
Power supply/consumption	9~25V DC/Power consumption less than 4mA	
Power/output cable length	Standard 500mm	
Insulation resistance	More than 200MΩ (500VDC, 2 minutes period)	
Weight	Approx. 150 grams	
Options	1) Digital LCD or LED display, 2) Pt 100Ω temperature sensor output 3) Temperature transmitting circuit, 4) Electromagnetic shielding 5) Stainless steel mesh cap for sensor 6) Sintered metal cap for sensor	
TYPES OF SENSOR HEADS		
Rigid metal probe (B)	S-type (straight type) or L-type (angle type) Standard probe lengths 75mm, 300mm or 450mm (max.)	
Flexible cable probe (C)	Flexible cable suitable up to 100°C Standard cable lengths: 500mm, 1,000mm & 2,000mm (max.)	
Duct type probe (D)	S-type (straight type) or L-type (angle type), Rubber pad provided for duct mounting, standard probe lengths 75mm, 300mm or 450mm (max.)	

LONG TERM STABILITY TEST RESULTS OF TI-A SENSOR		
Condition	Duration	Drift
At 80°C/ 95%rH	250 days	<±2% rH
At 90°C, 90% rH	240 days	<±2% rH
At 100°C, dry	5 years	<±2% rH
At 40°C, 95%rH	5 years	<±2% rH
In Freezer (-25°C)	2 years	<±1% rH
At 150°C, dry	5 years	<±2% rH
In tap water	70 hours	<±2% rH
Dipped in pure distilled	70 hours	<±1% rH
Dipped in ethanol	10 minutes	<±2% rH
Inside room	800 days	<±1% rH
In chicken farm	3 months	<±2% rH
In hog farm	3 months	<±2% rH
In urban city air	1 year	<±2% rH
In seaside air	10 months	<±1% rH
-20°C (2 hour) to 120°C (2 hours)	24 cycles	<±2% rH



DUE TO CONTINUOUS PRODUCT IMPROVEMENT, THE DESIGN AND TECHNICAL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE



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