



## **Detector/Sensor Specifications**

## **Detector specification**

	Single-circuit system			
Model No. Specifications	AD-AS-1AM	AD-AS-1WM	AD-AS-1DM	AD-AS-1C-SR
	21 x 40 K 10 0 x 20 0 x 30 0 y 54 40 0 y 54 40 0 y 54 20 0 y			
Number of sensor circuits	1	1	1	1
Power supply voltage	AC100 V-240 V		AC24 V, DC24 V	AC100 V, AC200 V
Frequency	50/60 Hz			
Sensor-applied voltage	2.8 VAC maximum	5.3 VAC maximum	5.3 VAC maximum	2.8 VAC maximum
Water leakage warning	Blinking red LED lamp/Buzzer	Blinking orange LED lamp		
Disconnection warning	Blinking green LED lamp/Buzzer	Blinking orange LED lamp		
Control output contact rated load (resistance load)	AC250 V 6.0 A, DC24 V 6.0 A	AC125 V 0.4 A, DC30 V 2.0 A		
Current consumption	4.5 VA maximum	2 VA maximum	3 VA maximum	2 VA maximum
Sensitivity adjustment	Yes			
Check function	Yes	_		
Outer dimensions (mm)	120 × 124 × 55	45 × 72 × 75	22 × 76 × 87	45 × 72 × 67
Weight (kg)	Approx. 0.3	Approx. 0.12	Approx. 0.08	Approx. 0.18
Box color	Ivory white	Gray		

	Multiple-circuit system		Leak location detection type		
Model No. Specifications	AD-AS-5DRM	AD-AS-10DRM	AD-AS-1LCM-A	AD-AS-1LDMA	
Number of sensor circuits	5	10	1	1	
Power supply voltage	AC100 V-240 V		AC100 V-240 V	AC24 V, DC24 V	
Frequency	50/60 Hz				
Sensor-applied voltage	5.5 VAC maximum		5.5 VAC maximum	12.5 VAC maximum	
Water leakage warning	Blinking red LED lamp/Buzzer		Blinking red LED lamp/Buzzer/Digital display of leak location 4-20 mA analog output		
Disconnection warning	Blinking red LED lamp/Buzzer		Blinking red LED lamp/Buzzer/'' indication		
Control output contact rated load (resistance load)	AC125 V 0.4 A, DC30 V 2.0 A		AC125 V 0.4 A, DC30 V 2.0 A		
Current consumption	12 VA maximum	20 VA maximum	5 W maximum	5 W maximum	
Sensitivity adjustment	Yes				
Check function	Yes				
Outer dimensions (mm)	300 × 330 × 100		180 × 125 × 35	106 × 96 × 57	
Weight (kg)	Approx. 5.5		Approx. 0.3	Approx. 0.25	
Box color	Light beige (5Y7/1)		Gray		

\* For more details, see our website http://tatsuta.com

\* The above catalog shows standard specifications. Custom-made specifications (such as number of circuits) are available.

## Sensor specification

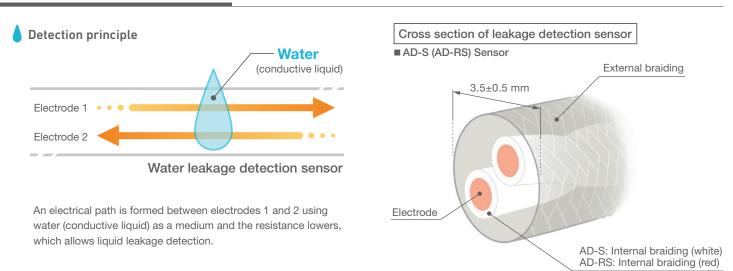
Model No.	AD-S sensor	AD-RS sensor	AD-HS sensor	FR-AD sensor
Electrode inner layer	Electrode 1, Electrode 2: Plastic single yarn braided to tin-plated soft copper wire, 0.3 mm <sup>2</sup>			Electrode 1, Electrode 2: Glass fiber braided to tin-plated soft copper wire, 0.75 mm <sup>2</sup>
	-	-	Via red color emitting yarn	
Outer layer	Plastic yarn braided			Flame-retardant (aramid fiber) braided
Outer diameter	Approx. ø4 mm			Approx. ø5 mm
Lead wire		-	_	
Detection sensitivity	3 ml maximum: One drop (0.05 ml) per second *1			

Model No. Specifications	AD-FH sensor	AD-FH-S sensor	AD-PA sensor	AD-LS sensor
Electrode inner layer	Electrode 1, Electrode 2: Plastic single yarn braided to tin-plated soft copper wire, 0.3 mm <sup>2</sup>	Plastic single yarn braided to SUS316, 0.33 mm²	Electrode 1, Electrode 2: Stainless steel sheet (1 mm)	Electrode 1, Electrode 2: Plastic single yarn braided to tin-plated soft copper wire, 0.3 mm <sup>2</sup> Electrode 3: Plastic single yarn braided to resistance wire, dia. 0.4
Outer layer	Plastic yarn braided		Soft PVC resin mold	Plastic yarn braided
Outer diameter	Approx. 6.5 mm × 2.0 mm		Approx. 40 mm × 50 mm × 14 mm	Approx. ø3.5 mm
Lead wire	_		MF-VCTF0.5 mm <sup>2</sup> 3.5 m	
Detection sensitivity	Sensing leak length: 60-90 mm (reference water volume: 14-18 ml)		Water level 10 mm minimum	3 ml maximum: One drop (0.05 ml) per second

\*1 Ex-factory setting

## Water leakage detection system

TATSUTA



For more information about water leakage detection, please contact: sensor@tatsuta.com. We also develop custom-made sensor systems by request. Please contact us at any time for details.

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\* The information contained in this catalog is subject to change without notice, because TATSUTA is constantly striving to improve its high-quality products.