

Thermal Flow Sensor - RX- series



Specification:

This series thermal flow sensor develops on technology of Whole Sintered Leads outside Winding Platinum Resistor, The advantages are long term stable, high repeatable, shake-proof and fast responding, Suitable for measuring air and liquids. This series include RX-19A, RX-19B, RX-14, RX-10 four types.

Characters:

RX-19A: elements (Pt20&Pt300)

RX-19B: elements (Pt20&Pt300)

RX-14: elements (Pt20&Pt300)

RX-10: elements (Pt20&Pt100)

Measurement range: 0.02~60m/S

Temperature change per year: ≤ 0.013

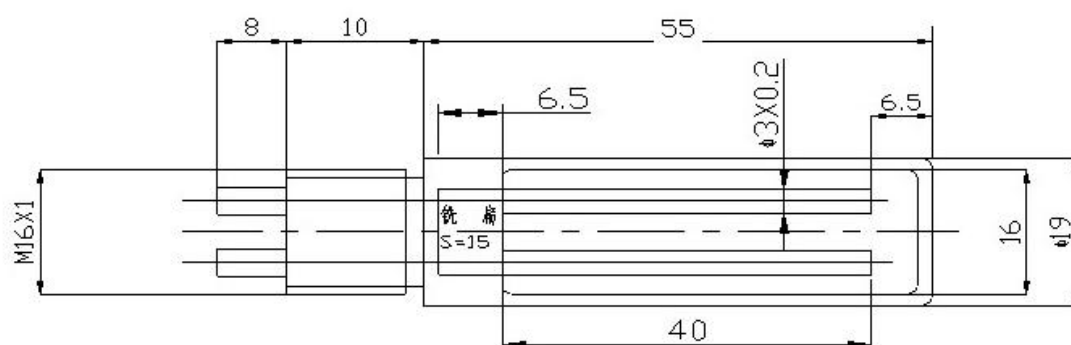
Temperature range: -50~200℃

Application:

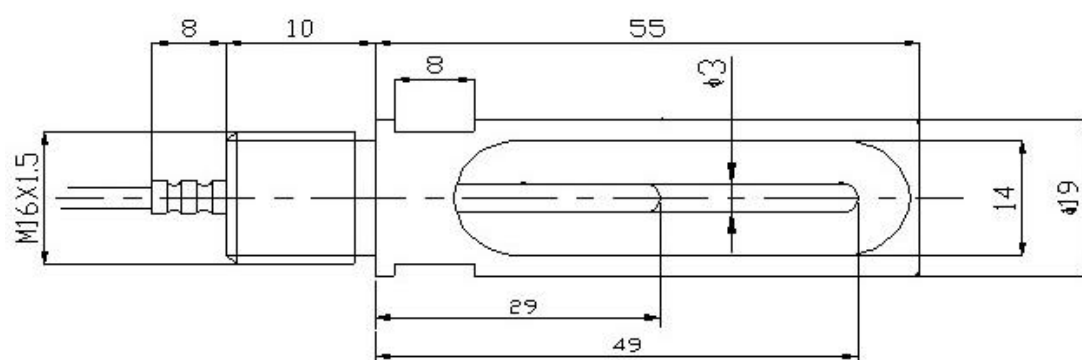
For Pipe plug type

Structure and Dimensions:

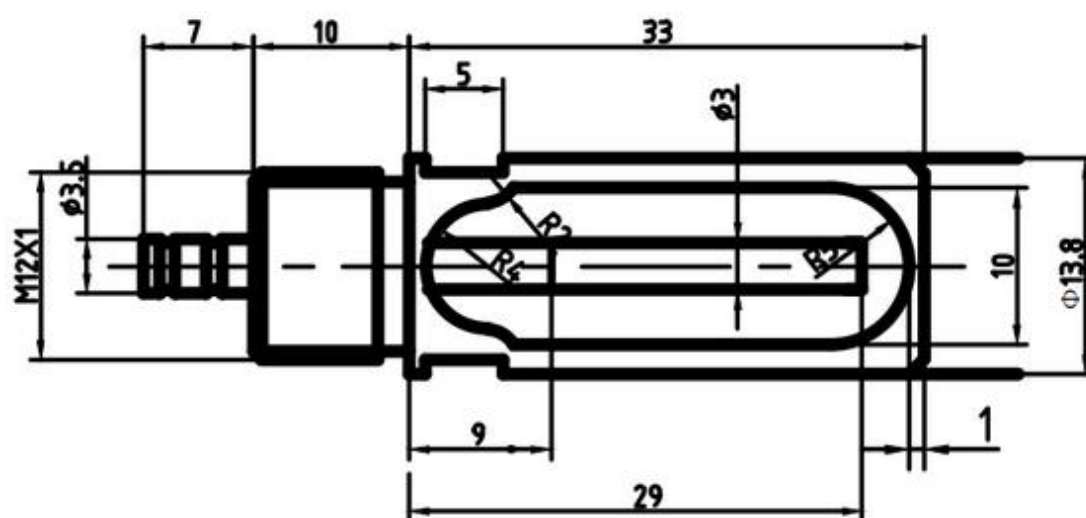
(1) PT20/PT300 Model: RX-19A



(2) PT20/PT300 Model: RX-19B



(3) PT20/PT300 Model: RX-14A(0-200℃)



No wind condition parameters:

$R_0=20.00\Omega$ Protecting tube diameter: $\Phi 3$

$^{\circ}\text{C}$	Ω	V	I	加热功率 W
50	23.880	1.762	73.790	0.130
60	24.650	2.191	88.891	0.195
70	25.410	2.568	101.046	0.259
80	26.176	2.932	112.013	0.328
90	26.943	3.283	121.849	0.400
100	27.700	3.616	130.540	0.472
110	28.457	3.937	138.350	0.545
120	29.215	4.240	145.133	0.615
130	29.966	4.558	152.103	0.693
140	30.717	4.865	158.382	0.771
150	31.467	5.168	164.235	0.849
160	32.213	5.469	169.777	0.928
170	32.954	5.764	174.900	1.008
180	33.696	6.062	179.904	1.091
190	34.436	6.359	184.660	1.174
200	35.172	6.657	189.268	1.260
210	35.907	6.995	193.692	1.347
220	36.639	7.249	197.850	1.434
230	37.368	7.542	201.830	1.522
240	38.096	7.838	205.742	1.613

250	38.820	8.134	209.530	1.704
260	39.543	8.430	213.184	1.797
270	40.263	8.720	216.578	1.889
280	40.981	9.017	220.030	1.984
290	41.697	9.310	223.280	2.079
300	42.410	9.604	226.455	2.175