

TID series, Stable Precision Low TC

Tank Inserted Stray Free High Voltage Dividers, Probe



Wide Band in DC to 1MHz (75MHz), DC Accuracy 0.1%, 0.5%, 1%, DC-TC 5ppm, 10ppm, 20ppm. 150kVp, R-C compensation, Square Pulse

3RLab produces TID- series High Voltage Ultra Stable Precision Low TC High Accuracy Dividers & Probe for High Voltage; Square Pulse, DC, AC, Impulses of Precision Measurement Systems.



TID series are Standard High Voltage Divider and Probe

TID measures and senses pulsing, artificially modulated repetitive pulsing, various durations, fast rising time, Square Pulsing, DC, AC, and a wide band from DC to 1MHz.

TID matches the oscilloscope and precision digital multimeter.

Accuracy very special 0.1% DC, DC-TC 2ppm, DC-VC 0.005ppm type.

Regarding Traceability, DC and AC50/60Hz calibration are available at the Korea Research Institute of Standards and Science (KRISS).

AC to 1MΩ & <150pF DM, DC to 10G-DM, DC to 10MΩ DM, Square Pulse to 1MΩ & 11pF Scope, AC to 1MΩ & 11pF Scope.

*3RLab,Inc.

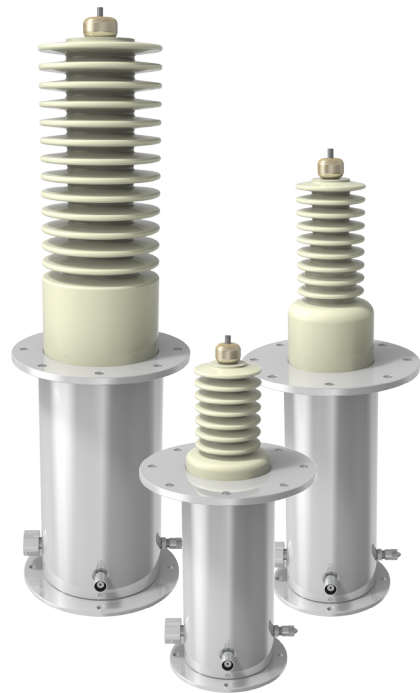
The TID-series are designed for indoor use in the air as standard.

Special use is available for custom requests such as in oil, outdoors, and in various atmospheres.




Various HV input terminals are available for convenience.

3RLab direct Mfgr of ultra-Low TC ,Stable Cylindrical and Flat type HV non-inductive precision resistors for past 21 years. The TID series uses high-performance resistors, which have longer life stability than any other competitor. 3RLab, Inc. has also furnished many kinds of High Voltage Impulsing test systems, DC and modulating systems, AC systems, HV Switching type Marks Generators, and classical type MGs.

It is available to test and get simulations in various directions.



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Model	Drawing	Max. Operate Voltage [kV] AC-peak, Pulsing-Peak, DC	Max. Single Impulse [kV] for 1.2/50uS or shorter duration	Accuracy		
				DC [%]	AC 0Hz/60Hz [%]	¹⁾ Stability[%]
TID-30		30	50	0.1	1	0.1 , 0.2
TID-50		50	70	0.1	1	0.1 , 0.2
TID-100		100	150	0.1	1	0.1 , 0.2

Model	Accuracy of Norminal Frequency Range 3% to -3dB	Norminal High Voltage Input Range		
		Std. Resistance [MΩ] Around	Requested Special Resistance [MΩ], or Custom Values Available	Capacitance [pF]
TID-30	DC ~5MHz	500	1000	3 ~ 12
TID-50	DC ~5MHz	1000	2000	3 ~ 12
TID-100	DC ~5MHz	2000	4000	3 ~ 12

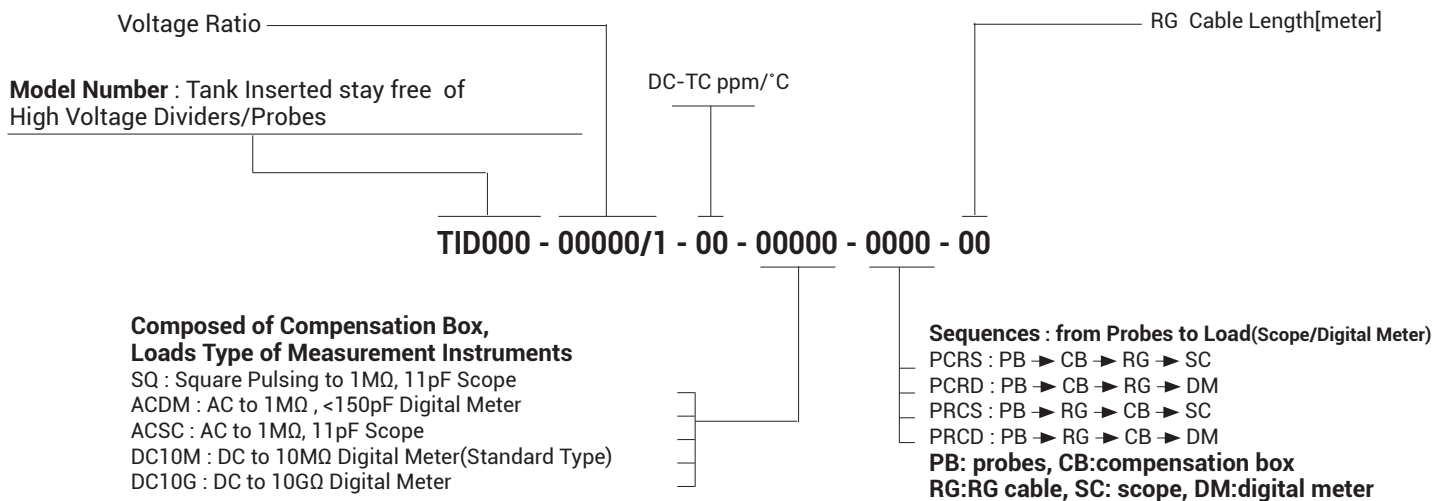
Model	DC TC [ppm/C]	Length of RG Coaxial Cable [Meters] (Others upon request)	Ratio Included 3RLab's Coaxial Cable, to 1MΩ <11pF Scopes	
			Std. Ratio	Requested Special Ratio Custom Ratio Available
TID-30	5ppm std., 2ppm, 3ppm, 10ppm Special	3m, 5m	1,000/1	1,000/1~10,000/1
TID-50	5ppm std., 2ppm, 3ppm, 10ppm Special	3m, 5m	2,000/1	1,000/1~10,000/1
TID-100	5ppm std., 2ppm, 3ppm, 10ppm Special	3m, 5m	3,000/1	1,000/1~10,000/1

1.) TEST DC RATIO @10 HRS. FOR 4 MINS, AND @7 DAYS FOR 4 MINS, AFTER LOADING AT OPERATING RATED DC VOLTAGES.
OTHERS MIGHT BE AVAILABLE UPON REQUEST.

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Model	Dimensions [mm]	Dimension in bottom plate [mm]	Dimension in detail	Insulation Type
TID-30	289	99dia	See Dwgs.	SF6
TID-50	370	99dia	See Dwgs.	SF6
TID-100	463	130dia	See Dwgs.	SF6

ORDERING INFORMATION



ALL SPECIFICATIONS MAY CHANGE WITHOUT NOTICE

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