

## NTHSP - Retrofit High-Speed Pulse Device for Neptune Technology Meters (Submersible)

High Resolution Digital Output, Dry Contact Form A switch  
1/2" Female Conduit Fitting-Waterproof Connection  
Fully Submersible with or without conduit fitting  
Dual Outputs available  
1.5" High x 3.5" Diameter, 0.6lbs.  
10' wire lead  
Retains Register 1/2" Conduit Fitting  
Bayonet Mount for T-10, HP Turbine, Compound  
Protectus Security Seal



### Resolution Values for T-10 Pulser

Meter Size	Gallons/Pulse	Pulses/Gallon	Max Rated GPM	PPS @Max
5/8"	0.004324	231.24	20	77
3/4"	0.007749	129.04	30	65
1"	0.016578	60.32	50	50
1-1/2"	0.03699	27.03	100	45
2"	0.06702	14.92	160	40

### Resolution Values for TRU-FLO Pulser

Meter Size	Gallons/Pulse	Pulses/Gallon	Max Rated GPM	PPS @ Max
2"	1.6407	0.6095	200	2
3"	3.4602	0.2890	450	2
4"	6.2893	0.1590	1000	3
6"	21.5517	0.0464	2000	2

### Resolution Values for HP Turbine

Meter Size	Gallons/Pulse	Pulses/Gallon	Max Rated GPM	PPS @ Max
1-1/2"	1.4473	0.69095	160	2
2"	1.6407	0.6095	200	2
3"	0.8928	1.120	450	9
4"	1.3235	0.7556	1200	15
6"	13.749	0.07273	3000	4
8"	13.235	0.07556	4000	5
10"	13.325	0.07556	6500	9
12"	13.325	0.07556	8000	10
16"	132.35	0.007556	13500	2
20"	132.35	0.007556	22000	3

### Electrical Specifications:

Supply Voltage: 3.0 to 150 VDC;  
Maximum switching current DC: 0.5 amps;  
Maximum switching watts DC: 10 watts;  
Minimum voltage breakdown DC: 220 volts;  
Contact resistance: 180 mohms;  
Open circuit resistance: > 100,000,000 ohms;  
Operation Timing: 0.6ms;  
Temperature Range: -40° to 85° C