

# ES-700-P Probe Style Turbidimeter



The ES-700-P is a nephelometric turbidity “probe” with a controller. The probe has several advantages over other turbidity meters. There is no pumping or piping system required for operation. Unlike others, the probe has a robust light rejection, which makes it very useful in outside tanks. The solid state light source is superior to incandescent light sources that have to be replaced and do not have the stability of solid state light sources. The controller is housed in a NEMA 4X-fiberglass enclosure with optional window, low and high set point relay with deadband and 4-20mA output for loop operations. The 4-20mA board has span and zero adjustment pots for field adjustments. The probe unit also has a unistrut slide for easy removal.

## ES-700-P SPECIFICATIONS

Probe Length	8.9 inches
Diameter	1.25 inches
Turbidity Ranges (NTU)	0.002-5, 0.02-10, 0.02-20
Accuracy:	0.1 % Repeatability
External Material Construction	PVC or SS, Acetel, Borosilicate glass
Sealing Method – Wetted	silicone, electronic encapsulant
Flow Requirement,	NO Flow necessary
Controller Enclosure	NEMA 4X Fiberglass

## ELECTRICAL/OPTICAL

Power Requirement	120 or 240 Vac
Power Consumption	2 Watts
Analogue Output:	0-5 Volts or 4-20mA,
Digital Output:	1x Relay, 5A, 240 Vac
Light Source	Solid State
Light Source Modulation	5 - 3,500 Hz

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