

Benchtop pH and pH/Ion Meters

Low cost plus high performance—meters offer laboratory-quality readings

- Extra-large 3¼" x 2⅞" (83 x 62 mm), brightly lit LCD for easy viewing of measured values
- Compact, space-saving design is nearly 40% smaller than other benchtop meters
- Mode indicators and annunciators signal meter status
- Five-point pH calibration, with automatic buffer recognition for easy calibration
- Ion 700 version features ISE calibration from 2 to 5 consecutive points
- Selectable buffer sets allow you to choose from USA or NIST buffer sets
- Switch from pH to mV to ISE (Ion 700 only) readings with a button press
- Features 0.1 mV resolution for ORP measurements
- Available with built-in electrode stand to hold electrode firmly in place
- Selectable manual or automatic temperature compensation for high accuracy with or without a temperature sensor
- Built-in memory function stores up to 100 readings with corresponding temperature
- Hold function, "Ready" indicator, diagnostic error messages
- Accepts any pH, ORP, or ISE (Ion 700 only) electrode with BNC connector
- Slide-out instruction card for quick reference



35429-03
pH 700 meter

SPECIFICATIONS

Range	pH	-2.00 to 16.00
	mV / Rel mV	±2000
	ISE†	0.01 to 2000 ppm
	Temperature	32 to 212°F (0 to 100°C)
Resolution	pH	0.01 pH
	mV / Rel mV	0.1 within ±199.9 mV, 1 beyond ±199.9 mV
	ISE†	0.01 to 2000 ppm
	Temperature	0.1°F or °C
Accuracy	pH	±0.01 pH
	mV / Rel mV	±0.2 within ±199.9 mV, ±2 beyond 199.9 mV
	ISE†	±0.5% of rdg (monovalent); ±1% of rdg (divalent)
	Temperature	±0.3°F or °C
Calibration	pH	Up to 5 points with autobuffer recognition
	mV / Rel mV	Up to ±150 mV offset adjustment
	ISE†	From 2 to 5 consecutive points (0.1, 1.0, 10.0, 100.0, 1000.0 ppm)
Temperature compensation	Automatic or manual from 32 to 212°F (0 to 100°C)	
Buffer recognition	USA or NIST buffer sets	
Slope control	80 to 120%	
Data logging	100 data sets	
Display	Custom 3¼" x 2⅞" (83 x 62 mm) LCD	
Dimensions (L x W x H)	6⅞" x 6⅞" x 2¾" (155 x 175 x 69 mm)	
Power	110/240 VAC, 50/60 Hz	
†Ion 700 models only		

What's included: Universal 110/240 VAC power adapter.

Catalog No.	Model No.	Description	Precalibrated
TS-35429-00	pH 700	Meter only	TS-35429-01
TS-35429-12	pH 700	Meter with removable electrode holder	TS-35429-15
TS-35429-03	pH 700	Meter with "all-in-one" pH/ATC electrode	TS-35429-05
TS-35429-10	pH 700	Meter with double-junction pH electrode, ATC probe, and removable electrode holder	TS-35429-11
TS-35429-22	Ion 700	Meter with removable electrode holder	TS-35429-26
TS-35429-20	Ion 700	Meter with "all-in-one" pH/ATC electrode	TS-35429-24
TS-35429-23	Ion 700	Meter with double-junction pH electrode, ATC probe, and removable electrode holder	TS-35429-27
Accessories			
TS-35815-04	—	Replacement combination pH electrode; double junction, refillable, glass body	
TS-59011-65	—	Combination pH electrode; single junction, gel-filled, epoxy body	
TS-59011-70	—	Combination pH electrode; double junction, gel-filled, epoxy body	
TS-35821-71	—	"All-in-one" combination pH electrode; single junction, gel-filled, epoxy body	
TS-35623-13	—	Replacement ATC probe, stainless steel	
TS-17116-20	—	NIST-traceable calibration with data for pH and ion meters	