New Wave Of Waterproof Testers

• pH • ORP • Conductivity • TDS • Salinity

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pHTestr 30

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SOLUTIONS FOR WATER ANALYSIS





Corporate Profile



Over 15 Years of Product Excellence | Eutech Instruments is a leading ISO9001-certified company established in 1990. Dedicated to the design and manufacture of sensor-based instruments for water quality analysis, Eutech is a pioneer in the development of ASIC-based (Application Specific Integrated Circuit) instruments, and is internationally recognised for its achievements in sensor technology, software programming and product design. Eutech has an extensive product line, which includes the world's first Windows® CE-driven colour touchscreen research-grade bench meter, as well as instruments with proprietary patents and trademarks.

Commitment to R&D Eutech's competitiveness comes from our strong commitment to R&D. This is backed by a dedicated team of scientists and engineers who thrives on meeting new technological challenges to simplify laboratory and field analytical procedures. The Eutech team is constantly driven to explore the latest technologies and applying them in our design and manufacture of advanced instruments. The result is a unique line of products that are accurate, consistent, reliable and easy to use.

| Comprehensive Product Line | Eutech's constant drive for innovation is reason for our unique and expansive portfolio of microprocessor-based instruments and chemical sensor systems. We offer a comprehensive range of laboratory and field instruments for electrochemical and photometric water analysis. Eutech also manufactures continuous on-line process instruments for the monitoring and control of pH, Conductivity, Total Dissolved Solids (TDS), Redox Potential (ORP), Dissolved Oxygen (DO) and other water quality parameters.

Eutech products range from compact pocket testers and portable meters to research-grade benchtop meters and industrial process controllers. Each product carries the signature Eutech intuitive designs and is packed with advanced user-friendly features.

Customer Focus Every Eutech innovation is conceptualised with the user in mind. This, coupled with our strategic location in the design and technology hub of Asia, has enabled the company to produce cutting edge instruments at competitive prices. Our consistent demonstration of insight into customer needs and product demands has earned the company consecutive Frost & Sullivan Market Engineering awards for Product Line Strategy.

Driven by a successful Total Customer Satisfaction Program incorporated in the ISO9001:2000 Quality System, all products undergo extensive testing and calibration by a qualified team of technical experts. Stringent quality control measures guarantee consistency, durability and performance. Eutech products are certified to comply with various global testing standards.

Forging New Frontiers in Water Analysis Underlying Eutech's objective to be a world leader in the field of water analysis instrumentation, the company adopts a proactive stand in anticipating the needs of the industry. With increasing global awareness and concern for water quality, the future provides new and exciting challenges and opportunities. To realize the potential of advanced water analytical technologies, Eutech will continue to forge close links and strategic alliances with the research institutions, government agencies and private sector firms worldwide. These efforts support the Eutech mission – to make technology easy to use with cutting edge instruments.

Global Reach Eutech products are marketed in over seventy countries worldwide, through an extensive network of associate companies and distributors, with manufacturing facilities in Singapore and Malaysia. Eutech Instruments Singapore has a full-fledged value-chain operation which comprises R&D, manufacturing, marketing, customer service and logistics for worldwide support to customers.

Main **Features**

User-Replaceable Sensor

IP67 Waterproof

- Easy To Use Valox[®] Durable Plastic Casing
 - Quick, Stable & Accurate Results
 - 2 Years Warranty





pHTestr[®] 10; pHTestr[®] 20; pHTestr[®] 30

pH measurement has never been easier with Eutech's latest range of pHTestr® Series. With high accuracy and easy twist-off user-replaceable sensor, the pHTestr®10, 20 & 30 are uniquely designed to last longer with more user-friendly features and lower operating cost requirement. Double junction electrode makes the testers ideal for dirty water and solutions with heavy metals or contaminants, while increased reference gel volume offers significantly longer electrode life.

High Accuracy

- Up to ±0.01 pH accuracy at 0.01 pH resolution
- 3-point push-button calibration with 5 buffer option sets quick, easy calibration with no mistakes
- Automatic temperature compensation (ATC)

Long Lasting

- Double-junction sensor with chemical resistant Kynar[®] porous junction minimizes clogging and contamination
- Longer electrode lifespan with increased polymer gel volume
- Reduced operating cost use tester body again and again with user-replaceable sensor
- Rugged and waterproof to IP67 standards. So light, it floats!

User-Friendly

- Large custom dual display LCD
- Calibration settings remain, even when you run out of batteries
- Simultaneous temperature display in celsius and fahrenheit*
- * For pHTestr 30

Applications: • Pools and spas • Aquariums and fish farms • Agriculture • Cooling towers • Food processing • Water and wastewater treatment • Photo-development • Printing and chemical industries • Labs and ecological studies • Hydroponics

Eutech Waterproof pH Testers Series

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- 111

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pHTestr[®] 10BNC

More versatility with BNC connector.

- User-selectable electrodes with BNC connector
- Up to ±0.01 pH accuracy at 0.01 pH resolution
- Manual temperature compensation (MTC)
- Non-volatile memory keeps your reading, even after batteries run out
- 3 points push-button calibration with 5 buffer option sets quick, easy calibration with no mistakes
- Advanced power management 500 hours of operation on one set of batteries
- Large custom dual display LCD
- Waterproof to IP67 standard. So light, it floats!

Applications: • Pools and spas • Aquariums and hydroponics operations • Cooling towers • Aquaculture • Food processing • Water quality testing • Boilers • Labs and ecological studies

pH Spear

Specially designed for solid or semi-solid samples.

- Open pore spear tip sensor tough, fast, stable and minimizes clogging
- Double junction sensor prolongs electrode lifespan without contaminating samples
- Up to ± 0.01 pH accuracy at 0.01 pH resolution
- Manual temperature compensation (MTC)
- Non-volatile memory keeps your reading, even after batteries run out
- 3-point push-button calibration with 5 buffer option sets quick, easy calibration with no mistakes
- Advanced power management 500 hours of operation on one set of batteries
- Large custom dual display LCD
- Waterproof to IP67 standard

Applications: • Bread • Meat • Salami • Poultry • Fruits • Dairy products

pHTestr[®] 1; pHTestr[®] 2

Fuss-free and value-for-money.

- Up to ± 0.1 pH accuracy at 0.1 pH resolution
- Up to 3-point push-button calibration with 3 buffer option sets quick, easy calibration with no mistakes
- User-replaceable sensor
- Waterproof to IP67 standard. So light, it floats!
- Automatic temperature compensation (ATC)*
- * For pHTestr 2

Applications: • Aquariums and fish farms • Labs and ecological studies • Hydroponics

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ECTestr 11; ECTestr 11+

Dual and Multi-Range Testers with Manual or Auto-Ranging Options

Combining the ranges of three EC testers into one, Eutech's latest multi-range ECTestr 11 series now measures a wider conductivity range from pure water to waste water, and comes with simultaneous temperature display, auto-ranging capabilities. Signature designs such as automatic temperature compensation and manual calibrations are retained, giving you accurate, reliable readings over a broad conductivity range every time you measure.

High Accuracy

- Up to 3 conductivity ranges from 0-200.0 μS/cm; 0-2000 μS/cm; and 0-20.00 mS/cm
- Calibrate up to 3 points to achieve maximum accuracy
- Selectable single/multi-point calibration with auto/manual options
- ±1% full scale accuracy

Long Lasting

- Unique cup-style* sensor with Valox® casing. Industrial grade SS316 stainless steel sensor element protects against harsh sample and ensures superior chemical durability
- Reduced operating cost use tester body again and again with user-replaceable sensor
- Rugged and waterproof to IP67 standards. So light, it floats!
- * For ECTestr 11+

User-Friendly

- · Auto-ranging capabilities options allows convenient direct readout and optional range selection
- Temperature display with celsius and fahrenheit options no need for separate thermometer!
- Calibration settings remain, even when you run out of batteries

Applications: • Water and wastewater treatment • Boiler blow-down • Agriculture • Electroplating rinse tanks • Drinking water • Hydroponics • Printing industry • Aquaculture • Aquariums and fish farms • Swimming pools • Verification of reverse osmosis system operation • Others

Eutech Waterproof Conductivity Testers Series



ECTestr High/Low

For less demanding field applications, there is the Eutech waterproof ECTestr High/Low Series. Fuss-free, value-for-money, and provides highly accurate readings at $\pm 1\%$ full scale accuracy.

- Up to ±1% accuracy
- Non-volatile memory keeps your reading, even after batteries run out
- User-replaceable sensor
- Waterproof to IP67 standard. So light, it floats!
- Automatic temperature compensation (ATC)

Applications:

- **ECTestr High:** • Salt water • Waste water • Hydroponics • Ponds • Recirculating system • Pools and spas
- ECTestr Low:
- Measurement in natural water
 Hydroponics

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TDSTestr® 11; TDSTestr® 11+

Dual and Multi-Range Testers with Manual or Auto-Ranging Options

Eutech's latest TDSTestr® 11 and 11+ combine the ranges of three testers, allowing TDS measurements over a broad range, from pure water to waste water. The new series comes with Simultaneous Temperature Display, Manual or Auto-ranging Options, as well as other retained benchmark features of Eutech testers, such as adjustable TDS factor and Automatic Temperature Calibration, making for a strong addition to Eutech's line of TDS testers.

High Accuracy

- Up to 3 conductivity ranges from 0-200.0 ppm; 0-2000 ppm; and 0-20.00 ppt
- Selectable TDS factor (0.40 to 1.00)
- Selectable single/multi-point calibration with auto/manual options
- ±1% full scale accuracy

Long Lasting

- Unique cup-style* sensor with Valox® casing. Industrial grade SS316 stainless steel sensor element protects against harsh sample and ensures superior chemical durability
- Reduced operating cost use tester body again and again with user-replaceable sensor
- Rugged and waterproof to IP67 standards. So light, it floats!
- * For TDSTestr® 11+

User-Friendly

- Auto-ranging capabilities options allows convenient direct readout and optional range selection
- Temperature display with celsius and fahrenheit options No need for separate thermometer!
- Calibration settings remain, even when you run out of batteries

Applications: • Water and wastewater treatment • Boiler blow-down • Electroplating rinse tanks • Drinking water • Hydroponics • Printing industry • Aquaculture • Aquariums and fish farms • Swimming pools • Others

Eutech Waterproof **TDS Testers Series**





TDSTestr[®] High/Low

For less demanding field applications, there is the Eutech waterproof TDSTestr[®] High/Low Series. Fuss-free, value-for-money, and provides highly accurate readings at $\pm 1\%$ full scale accuracy.

- Up to ±1% accuracy
- Non-volatile memory keeps your reading, even after batteries run out
- User-replaceable sensor
- Waterproof to IP67 standard. So light, it floats!
- Automatic temperature compensation (ATC)

Applications:

TDSTestr[®] High: • Salt water • Waste water • Hydroponics • Ponds • Recirculating system • Pools and spas TDSTestr[®] Low:

Measurement in natural water
 Hydroponics



SaltTestr 11

Eutech's latest SaltTestr 11 comes with temperature display in °C and °F for easy reference during salinity testing. Waterproof to IP67 standard, the SaltTestr 11 assures optimal performance even in harsh field conditions, from aquaculture settings to food production applications. The SaltTestr 11 retain functions such as user-replaceable sensor, automatic temperature compensation and manual calibration - benchmark features that make Eutech testers so easy to use.

High Accuracy

- Extensive range of 0-10.00ppt
- ±1% full scale accuracy

Long Lasting

- Unique cup-style* sensor with Valox® casing. Industrial grade SS316 stainless steel sensor element protects against harsh sample and ensures superior chemical durability
- Reduced operating cost use tester body again and again with user-replaceable sensor
- Rugged and waterproof to IP67 standards. So light, it floats!
- * For SaltTestr 11

User-Friendly

- · Auto-ranging capabilities options allows convenient direct readout and optional range selection
- Temperature display with celsius and fahrenheit options no need for separate thermometer!
- Calibration settings remain, even when you run out of batteries
- Applications: Aquaculture Aquariums and fish farms Swimming pools Food production Others

Eutech Waterproof Salt Testers Series





SaltTestr

For quick salinity testing on the go, the Eutech waterproof SaltTestr is fuss-free, value-for-money, and provides highly accurate readings at $\pm 1\%$ full scale accuracy.

- Up to ±1% accuracy
- Non-volatile memory keeps your reading, even after batteries run out
- User-replaceable sensor
- Waterproof to IP67 standard. So light, it floats!
- Automatic temperature compensation (ATC)

Applications: • Aquaculture • Aquariums and fish farms • Swimming pools • Food production • Others

Eutech Waterproof ORP Testers Series



ORPTestr®10

Fast, stable and precise - the Eutech's ORPTestr®10 is designed with advanced microprocessor technology to give you up to ± 2 mV of accuracy across a wide measuring range. User-replaceable double-junction sensor with a wide platinum band provides highly accurate results even in wet and rugged environments.

More Accurate

- ±2 mV full scale accuracy
- Wide range of -999 to 1000 mV
- Automatic temperature compensation (ATC)

More Savings

- User-replaceable double-junction Ag/ AgCl polymer sensor
- Advance power management 500 hours of operation on one set of batteries

More User-Friendly

- Large custom dual display LCD
- Non-volatile memory keeps your reading, even after batteries run out
- Waterproof to IP67 standard. So light, it floats!
- Simultaneous temperature display in celsius and fahrenheit

Applications: • *Electroplating rinse tanks* • *Swimming pools* • *Chemical processing* • *Cyanide destruction* • *Chromate reduction* • *Others*

Also available: ORPTestr®10BNC for use with a wider range of specialty electrodes

Testers & Replacement Sensors Ordering Information

PHTEST20Waterproof pHTestr20 with ATCPHTEST10Waterproof pHTestr10 with ATCPHTEST10BNCWaterproof pHTestr10 BNCPHTEST10BNCWaterproof pHTestr10 BNCPHTEST2Waterproof pHTestr2 with ATCPHTEST1Waterproof pHTestr1PHTEST10Waterproof ORPTestr10PHTEST10Waterproof CRPTestr10PHTEST10Waterproof CRPTestr10PCTEST10Waterproof ECTestr11 + Multi Range with ATC & Temperature DisplayPCTEST11Waterproof ECTestr11 Dual Range with ATC & Temperature DisplayPCTESTLOWWaterproof ECTestr Low with ATCPCTEST11PLUSWaterproof TDSTestr11 + Multi Range with ATC & Temperature DisplayPCTEST11Waterproof TDSTestr11 + Multi Range with ATC & Temperature DisplayPCTESTLOWWaterproof TDSTestr11 + Multi Range with ATC & Temperature DisplayPDSTEST11Waterproof TDSTestr11 Dual Range with ATC & Temperature DisplayPDSTESTLOWWaterproof TDSTestr11 Dual Range with ATC & Temperature DisplayPDSTESTLOWWaterproof TDSTestr Low with ATCWaterproof TDSTestr High with ATCSALTTEST11Waterproof SaltTestr11 with ATC & Temperature Display	Order No.	Testers
PHTEST10 Waterproof pHTestr10 with ATC PHTEST10BNC Waterproof pHTestr10 BNC PHSPEAR Waterproof pHSpear PHTEST2 Waterproof pHTestr2 with ATC PHTEST1 Waterproof pHTestr10 PHTEST10 Waterproof ORPTestr10 PHTEST10 Waterproof CRPTestr10 PCTEST10 Waterproof ECTestr11+ Multi Range with ATC & Temperature Display ECTEST11 Waterproof ECTestr11 Dual Range with ATC & Temperature Display ECTESTLOW Waterproof ECTestr High with ATC PDSTEST11 Waterproof TDSTestr11+ Multi Range with ATC & Temperature Display ECTESTHIGH Waterproof TDSTestr11+ Multi Range with ATC & Temperature Display ECTEST11 Waterproof TDSTestr11+ Multi Range with ATC & Temperature Display FDSTEST11 Waterproof TDSTestr11 Dual Range with ATC & Temperature Display FDSTESTLOW Waterproof TDSTestr11 Dual Range with ATC & Temperature Display FDSTESTLOW Waterproof TDSTestr Low with ATC FDSTESTLINEH Waterproof TDSTestr High with ATC SALTTEST11 Waterproof SaltTestr11 with ATC & Temperature Display	PHTEST30	Waterproof pHTestr30 with ATC & Temperature Display
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ALTTEST11 Waterproof SaltTestr11 with ATC & Temperature Display	TDSTESTLOW	Waterproof TDSTestr Low with ATC
	TDSTESTHIGH	Waterproof TDSTestr High with ATC
SALTTEST Waterproof SaltTestr with ATC	SALTTEST11	Waterproof SaltTestr11 with ATC & Temperature Display
Materproof Satrest Marrie	SALTTEST	Waterproof SaltTestr with ATC

Order No.	Replacement Sensors
PHSENSOR03DJ	Replacement Sensor for Waterproof pHTestr10, 20, 30
PHSENSORBNC	Replacement Sensor for Waterproof pHTestr10BNC
PHSENSOR04	Replacement Double Junction Spear-tip Electrode for Waterproof pHSpear
ORPSENSORDJ	Replacement Sensor for Waterproof ORPTestr10
PHSENSOR01	Replacement Sensor for Waterproof pHTestr1
PHSENSOR02	Replacement Sensor for Waterproof pHTestr2
ECTDSSENSORPLUS	Replacement Sensor for Waterproof, Cup Type ECTestr11+; TDSTestr11+
ECTDSSENSOR	Replacement Sensor for Waterproof, 2-Pin Type ECTestr Series; ECTestr11; TDSTestr Series; TDSTestr11; SaltTestr11



Design of Eutech's waterproof testers are patented under the United States Patent Law, patent number: 371 517. Patent rights in other areas are pending.

Eutech Waterproof Testers Comparison Tables



Warranty Eutech Instruments provides two years of warranty against manufacturing defects for its testers, and six months for its electrodes.



We reserve the right to make changes, improvements and modifications to products shown.

		pHTestr30	pHTestr20	pHTestr10	pHTestr10BNC	pHSpear	pHTestr2	pHTestr1	ORPTestr10
	I/ORP et Testers	A CONTRACT OF A	P	En la		Contraction of the second	10	1	1.00 M
	Range	- 1.00 to	15.00 pH	- 1.0 to 15.0 pH	- 1.00 to	15.00 pH	0.0 to 1	14.0 pH	- 999 to + 1000 mV
	Resolution	0.01	рН	0.1 pH	0.01	I pH	0.1	pН	1 mV
pH/mV	Accuracy	± 0.0	11 pH	± 0.1 pH	± 0.0)1 pH	± 0.1 pH	± 0.2 pH	± 2 mV
	Calibration Points			3 Auto			3 Auto	1 Auto	1 Manual
	Buffer Sets		USA: 4.01 /	7.00 / 10.01 ; NIST: 4.01			US	SA	-
	Range	0 to 50.0 °C 32.0 to 122.0 °F		-	0 to 5 32.0 to	50.0 ℃ 122.0 °F (MTC)		-	
T	Resolution	0.1 °C / °F		-	0.1 °	C/°F		-	
Temperature	Accuracy	±0.5℃/0.9°F				-			
	Calibration Window	± 5 °C / 9 °F from default value				-			
	ATC		Yes		No (MTC)	Yes	1	No
	Sensor Type		Double-junction		BNC	Double-junction	Single-ji	unction	Double-junction
	Non-Volatile Memory			Yes			N	0	Yes
Meter	Auto-Off				8.5 Minutes afte	r last key pressed			
Functions	Operating Temp.				0 to	50 ℃			
Tunctions	LCD Display		Custom d	ual display 2.7 cm (H) x	2.1 cm (W)		Sin	gle	Custom dual display 2.7 cm (H) x 2.1 cm (W)
	Power		4 x 1.5	V "A76" Micro alkaline b	atteries		3 x 1.5 V "A76" Micr	o alkaline batteries	4 x 1.5 V "A76" Micro alkaline batteries
	Battery Life			> 500 Hours				> 250 Hours	
Dimensions ;	Tester		16.5 x 3.8	s cm ; 90 g		24 x 3.8 cm ; 103 g		16.5 x 3.8 cm ; 90 g	
Weight	Boxed		22 x 6 x 5	cm ; 170 g		25.5 x 13.5 x 7.5 cm ; 240 g		22 x 6 x 5 cm ; 170 g	

		ECTestr11+	ECTestr11	ECTestr Low	ECTestr High	
	luctivity et Testers	· Poster		14	101 101	
Range		0 to 200.0 μS/cm 0 to 2000 μS/cm 0 to 20.00 mS/cm	0 to 2000 μS/cm 0 to 20.00 mS/cm	0 to 1990 μS/cm	0 to 19.90 mS/cm	
Resolution		0.1 μS/cm 1 μS/cm 0.01 mS/cm	10 μS/cm 0.10 mS/cm	10 µS/cm	0.10 mS/cm	
Accuracy			±1% Fi	ull scale		
Calibration Poi	nts	3 Auto, 3 Manual	2 Auto, 2 Manual	1 Ma	inual	
	Range	0 to 50.0 ℃ or .				
_	Resolution	0.1 °C		-		
Temperature	Accuracy	± 0.5 °C	/ 0.9 °F		·	
	Calibration Window	± 5 °C	7/9°F			
	ATC		Yes (0 to 50 ℃ o	r 32.0 to 122.0 °F)		
	Sensor Type	Cup		Dip		
	Temp. Coefficient		2% p	per °C		
	Normalization Temp.		25	°C		
Meter Functions	Non-Volatile Memory		Y	es		
	Auto-Off		8.5 Minutes afte	r last key pressed		
	Operating Temp.		0 to	50 ℃		
	LCD Display	Custom dual display 2	.7 cm (H) x 2.1 cm (W)	Sin	gle	
	Power		4 x 1.5 V "A76" Micr	o alkaline batteries		
	Battery Life		> 150	Hours		
Dimensions ;	Tester		16.5 x 3.8	i cm ; 90 g		
Weight	Boxed		22 x 6 x 5	cm ; 170 g		

		TDSTestr11+	TDSTestr11	TDSTestr Low	TDSTestr High
	TDS et Testers	e lest		104 Rei	Fig.
Range		0 to 200.0 ppm 0 to 2000 ppm 0 to 10.00 ppt	0 to 2000 ppm 0 to 10.00 ppt	0 to 1990 ppm	0 to 10.00 ppt
Resolution		0.1 ppm 1 ppm 0.01 ppt	10 ppm 0.10 ppt	10 ppm	0.10 ppt
Accuracy			± 1% F	ull scale	
Calibration Poi	nts	3 Manual	2 Manual	1 M	anual
TDS Factor			0.40 to 1.00	(Selectable)	
	Range	0 to 50.0 °C or .			-
	Resolution	0.1 °C	C/°F		-
Temperature	Accuracy	0.5 °C ,	/ 0.9 °F		-
	Calibration Window	± 5.0 °C	7 9.0 °F		-
	ATC		Yes (0.0 to 50.0 °C	or 32.0 to 122.0 °F)	
	Sensor Type	Cup		Dip	
	Temp Coefficient		2 %	per °C	
	Normalization Temp.		25.	0 °C	
Meter Functions	Non-Volatile Memory		Y	<i>l</i> es	
	Auto-Off		8.5 Minutes afte	r last key pressed	
	Operating Temp.		0.0 to	50.0 ℃	
	LCD Display	Custom dual display 2	.7 cm (H) x 2.1 cm (W)	Si	ngle
	Power		4 x 1.5 V "A76" Mic	ro alkaline batteries	
	Battery Life		> 150	Hours	
Dimensions ;	Tester		16.5 x 3.8	3 cm ; 90 g	
Weight	Boxed		22 x 6 x 5	cm ; 170 g	







<< Water Treatment
>> Aquariums & Fish Farms

<< Wastewater Treatment
>> Swimming Pools





Eutech Instruments manufactures a comprehensive range of laboratory and field instrumentation for water analysis. Eutech Instruments also produces on-line process instruments for water quality monitoring and control. Innovative products from Eutech include:

Dual Display	Testers	EcoScan	Palmtops	Waterproof
Portable Colc	orimeters a	nd Turbidime	ters Cybe	rScan Portable
Series Cy	berScan B	ench Series	CyberScar	n Touchscreen 🖡

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199 6/06 Rev
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