

750 Series II

RESISTIVITY

MONITOR / CONTROLLERS

CE



APPLICATIONS:

- Deionization (DI) and distillation ultrapure water treatment systems
- Electronics
- Pharmaceuticals
- Laboratories
- Food Processing
- Plating
- Power Plants
- Boiler Condensate
- Process Control

FEATURES:

- 7 Resistivity ranges - 0-200 Kilohms to 0-20 Megohm-cm
- Choice of analog meter or 3 1/2 digit display
- Automatic temperature compensation to 25°C
- 0-10 VDC Recorder Output
- IP64/NEMA 3 splash & corrosion-proof enclosure
- Single setpoint/alarm standard
- Adjustable setpoint hysteresis
- Solid State 24 VDC Output
- 10 amp relay operates on choice of increasing or decreasing reading
- LEDs show "above/below" Alarm/control status

- Push-to-test setpoint check
- Internal setpoint discourages unauthorized adjustment
- Selectable 115/230 VAC
- CE Approved
- Unique, easily installed sensor
- Options include-
 - Second Alarm/control Module
 - 4-20 mA Isolated Output
 - Piezo Electric Alarm
 - 3 1/2 Digit Backlit Display
 - Temperature Module
 - 24 VAC Isolated Power

The unique circuitry of our 750 Series II Resistivity Monitor/controllers guarantees accurate and reliable measurements. Drift free performance is assured by "field proven" electronics, including automatic DC offset compensation and highly accurate drive voltage.

Since temperature compensation is at the "heart" of accurate water measurement, all Myron L monitor/controllers feature a highly refined and precise TC circuit. This feature perfectly matches the water temperature coefficient as it changes. All models corrected to 25°C. Uncompensated models available to conform with USP 25.

A push-to-test button makes setpoint checks easy, while the internal alarm set discourages unauthorized adjustments.

Standard on all controller models is a heavy-duty 10 amp output relay, operating on either increasing or decreasing readings. Bright green/red LEDs indicate above or below setpoint readings.

All 750 Series II models have a IP64/ NEMA 3 splash & corrosion-proof rated enclosure while being a compact size at 6x4.8 inches (15.2x122 mm). They are suitable for panel, bench or surface mounting.

Additional options include a 3 Sensor input, a 3 Range switch (both installed separately from the monitor/controller), and a Remote Alarm - RA™

Custom & OEM Models available.

**Reliable
Field
Proven
Designs**

**MYRON L
COMPANY**
Water Quality Instrumentation
Accuracy • Reliability • Simplicity

RESISTIVITY MONITOR/CONTROLLER SPECIFICATIONS

Ranges—Resistivity: 7 ranges from 0-200 K Ω to 0-20 M Ω .
See Price Sheet for further details.

Display— Models 751II & 752II: 2 1/2" (63 mm) Analog meter
Models 753II & 754II: 1/2" (13 mm) 3 1/2 Digit LCD;
opt. 3 1/2 Digit Backlit

Accuracy— Models 751II & 752II: \pm 2% of full scale
Models 753II & 754II: \pm 1% of full scale

Sensitivity—0.05% of full scale

Stability—0.05% of full scale

Repeatability—0.1% of full scale

Calibration Check—Built-in

Recorder Output—0-10 VDC @ 5 mA max. (linear); standard all models

Sensor Inputs—1 (3 input option available)

Control Function—Single Alarm/Controller fully adjustable 0-100% of full scale
Hysteresis: Adjustable from 0.3-3% of full scale
Indicators: Above (green) and below (red) setpoint LEDs (reversible)
Contact Rating: SPDT 10 amp @ 250 VAC, 30 VDC. Relay operates decreasing or increasing reading (selectable)
Second Alarm/Controller, with above specifications, opt. on 752II & 753II

Solid State Output—Powered; 24 VDC Unregulated 30 mA max.

Power—115/230 VAC, 50/60 Hz, \pm 15% (user selectable)

Maximum Power Consumption—@ 115V: 100 milliamps

Dimensions—6" (152 mm) H x 4.8" (122 mm) W x 3.8" (96 mm) D

Construction—Fully gasketed heavy-duty ABS case; splash & corrosion-proof
IP64/NEMA 3 rated

Ambient Temperature Range—32° to 140°F (0°C to 60°C)

Weight—2 Lbs (0.9 kg)

ACCESSORIES

MODEL	DESCRIPTION
SMP50	Surface Mounting Plate
3SE	3 Sensor Input Module w/ Enclosure
3RE	3 Range Switch Module w/ Enclosure
3SRE	3 Sensor & 3 Range Module w/ Enclosure
PAO	70db Piezo Electric Alarm (753II only)
PATO	Piezo Alarm & Timer Module (753II only)
RA	Remote Alarm - RA™
RAW200	Wire (200 ft/60 meter) for Remote Alarm
CS-11	20 Megohm Calibration Module-NIST
CS-14	2 Megohm Calibration Module-NIST
CS-17	200 Kilohm Calibration Module-NIST

Custom & OEM monitors/controllers available.
Price and delivery upon request.

WARRANTY

All Myron L monitor/controllers and sensors have a two-year warranty. If any monitor/controller or sensor fails to function normally, return the unit to the factory prepaid. If, in the opinion of the factory, failure was due to materials or workmanship, repair or replacement will be made without charge. A reasonable service charge will be made for diagnosis or repairs due to normal wear, abuse or tampering. Warranty is limited to the repair or replacement of monitor/controller or sensor only. The Myron L Company assumes no other responsibility or liability.

TO ORDER 750 Series II MONITOR CONTROLLERS — Choose

MODEL	RANGE	OPTIONS
751II- Analog Monitor only	Resistivity	-SC Second Control Module (752II & 753II only)
752II- Analog Monitor/controller	0-200 K Ω to	-4A 4-20 mA Module (Digital only)
753II- Digital Monitor/controller	0-20 M Ω	-PA Built-in 70db Piezo Electric Alarm (753II only)
754II- Digital Monitor only		-PAT Piezo Alarm w/Timer (753II only)
Example:	See Price List for selection.	-35BL 3 1/2 Digit Backlit LCD
Model 753II-11-4A is a Digital Resistivity monitor/controller with a 0-20 megohm range, and a 4-20 mA output Module.		-TP Temperature Module (Digital only)
Note: Above Monitor does not include sensor. Please specify sensor when ordering.		See Price List for complete selection.

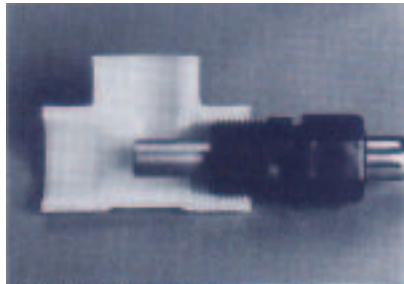
TO ORDER Sensor — Choose

Resistivity -	All Ranges	CS10
	Add as Required	
-T	Titanium (in place of SS)	
-25	25ft./8 meter Cable	
-100	100 ft./30 meter Cable	
-PV	1/2" NPT PVDF Bushing (Replaces Polypropylene)	
-HPSS	1/2" NPT 316 SS Bushing (Replaces Polypropylene)	
Example: CS10-T-25-HPSS		

SENSORS

All Resistivity models require a CS10 series sensor. This reliable sensor features two integral thermistors to ensure accurate and rapid automatic temperature compensation. The sturdy polypropylene standard bushing is modular for easy, inexpensive replacement. A PVDF or 316 stainless steel bushing can also be ordered. The metal portion is available in either 316 stainless steel (standard) or titanium.

Special Order, CS40 & CS41, High Temperature/High Pressure sensors available upon request.



SPECIFICATIONS

Constant—0.05

Temperature Compensation—Two integral thermistors provide automatic TC to 25°C between 32-212°F (0-100°C).

Pressure /Temperature Limits—100 psi (690 kPa) @ 212°F (100°C).

Bushing—Modular Polypropylene threaded 3/4" NPT. 1/2" PVDF or 316 stainless steel fittings available as option.

Wetted Materials—Electrodes: 316 stainless steel (standard) or titanium.

Cable—Shielded 10' (3 meters) standard; 25' & 100' (8 and 30 meter) lengths available.

Dimensions—Metal portion 1.2" (30 mm) L x 0.5" (13 mm) diameter; Overall length 3.6" (91 mm)

6115 Corte del Cedro
Carlsbad, CA 92009-1516 USA
Tel: 760-438-2021
Fax: 800-869-7668 / 760-931-9189
www.myronl.com

Built On Trust. Founded in 1957, the Myron L Company is one of the world's leading manufacturers of water quality instruments. Because of our commitment to product improvement, changes in design and specifications are possible. You have our assurance any changes will be guided by our product philosophy: accuracy, reliability, and simplicity.

Water Quality Instrumentation
Accuracy • Reliability • Simplicity



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