RESISTIVITY MONITOR / CONTROLLERS

750 Series II







BENEFITS:

- · Affordable
- · Ease of Operation
- · Low Maintenance
- · Ensures Product Quality

APPLICATIONS:

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

FEATURES:

- 7 Resistivity ranges from 0-200 Kilohms to 0-20 Megohms-cm
- Choice of 3½ digit display or analog meter
- Automatic temperature compensation to 25°C
- Isolated 0-10 VDC Recorder Output standard
- IP65/NEMA 4X water-resistant and corrosion-proof enclosure
- · Built-in electronic calibration
- Single setpoint/alarm

- · 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
- · Reliable, easily installed sensor

Options Include:

- · Second Alarm/Control Module
- · 4-20 mA Isolated Output
- Piezo Electric Alarm
- 3½ Digit Backlit Display
- · Temperature Module
- 24 VAC Isolated Power Supply

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 are

corrected to 25°C. The TC may be disabled to conform with USP requirements.

Built-in electronic calibration allows for fast quality checks.

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 readings above or below setpoint.

All 750 Series II models feature an IP65/ NEMA 4X water-resistant and corrosionproof rated enclosure. Compact in size at 152 x 122 mm/6 x 4.8 in., they are suitable for panel, bench or surface mounting.

Additional options include a 3 Sensor Input Switch and/or a 3 Range Switch and a Remote Alarm™ model RA.

For more information, visit our website at www.myronl.com

CUSTOM & OEM MODELS AVAILABLE

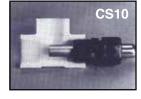


SPECIFICATIONS

OI EOII IOATIO	110					
Ranges	7 ranges from 0-200K to 0-20MΩ					
	See Price List for further details.					
Display	Analog Models:	2.5 in./63 mm meter				
	Digital Models:	.5 in./13 mm 31/2 Digit LCD				
	Optional:	3½ Digit Backlit				
Accuracy	Analog Models:	± 2% of full scale				
	Digital Models:	± 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	Inction 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 — option					
Solid State Output	Powered; 24 VDC unregulated 30 mA max					
Power	115/230 VAC, 50/60 Hz, ±15% (user selectable)					
	24 VAC optional					
Maximum Power	@ 115V: 100 milliamps					
Consumption						
Dimensions	152 H x 122 W x 96 D mm / 6 H x 4.8 W x 3.8 D in.					
Construction	Fully gasketed heavy-duty ABS case; water-resistant and					
	corrosion proof IP6	5/NEMA 4X rated				
Ambient Temp	0 - 60°C/32 - 140°F					
Range						
Weight	0,9 kg/2 lbs.					

SENSORS

All 750II Resistivity models require a CS10 series sensor. This reliable sensor features two integral temperature sensors 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

The metal portion is available in either 316 stainless steel (standard) or titanium.

SPECIFICATIONS

Constant: 0.05

Temperature Compensation: Two integral temperature

sensors provide automatic TC to 25°C.

Pressure / Temperature Limits: 100 psi/690 kPa @212°F/100°C.

Bushing: Modular Polypropylene threaded 3/4"NPT. 1/2" PVDF (standard) or 316 stainless steel fittings (optional).

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

Cable: Shielded 10 ft./3 meters standard; 25 and 100 ft./8 and 30 meter lengths available.

Dimensions: Metal portion 30 L x 13 Dia. mm/1.2 L x 0.5 Dia. in.; Overall length 91 mm/3.6 in.

Note: Special Order, CS40 and CS41, High Temperature/ High Pressure sensors available upon request.

TO ORDER 750|| MONITOR/CONTROLLERS - Select

MODE	. –	RANGE* -	OPTIO	NS*
751 752 753	Analog Monitor only Analog Monitor/controller Digital Monitor/controller	Resistivity 0-200 KΩ to 0-20 MΩ	-SC -4A	Second Control Module 4-20 mA Module (Digital only)
754II	Digital Monitor only	* See Range Selection Guide	-PA	Built-in 70 db Piezo Electric Alarm (753Il only)
Example:			-PAT	Piezo Alarm w/Timer
Model 753II-11-4A is a Digital Resistivity				(753II only)
Monitor/controller with a 0-20 megohm			-35BL	3½ Digit Backlit LCD
range, and a 4-20 mA Output Module.			-TP	Temperature Module (Digital only, requires
Note: Above Monitor/controllers do not include				special sensor)
sensor. Please specify sensor when ordering.			* See Prid	ce List for complete selection.

ACCESSORIES

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

Note: See Price List for complete selection. Custom & OEM Monitor/controllers available. Price and delivery upon request.

TO ORDER SENSORS* - Select

Resistivity:		Standard Options Include:		
All Ranges	CS10	-T	Titanium (in place of SS)	
		-25	25 ft./8 meter Cable	
Example: CS10-T-25-HPSS (CS10 sensor, Titanium with a 25'/8m cable and a 1/2" NPT 316 SS Bushing)		-100	100 ft./30 meter Cable	
		-PV	1/2" NPT PVDF Bushing	
			(Replaces Polypropylene)	
		-HPSS	1/2" NPT 316 SS Bushing	
1/2 141 1 010 0	o Buorinig)		(Replaces Polypropylene)	
		See 750	III Sensor Selection Guide	

See 750II Sensor Selection Guide for details.

LIMITED WARRANTY

All Myron L Monitor/controllers and sensors have a Two (2) Year Limited 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.

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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.

