

LFE api by TRIPLETT

Industrial Panel Meters

Direct Replacements for:

- ▶ Yokogawa
- ▶ Modutec / Jewell / WPIC
- ▶ Hoyt
- ▶ Crompton
- ▶ Brighton



195 Series Panel Meters

Models: 1951 (1 1/2"), 1952 (2 1/2"), 1953 (3 1/2"), 1954 (4 1/2")

Our Most Popular Ranges

DC Ranges	Model 1952	Each	Model 1953	Each	Model 1954	Each
0-1mA DC (TB)	1952-DMA-001T	30.00	1953-DMA-001T	32.00	1954-DMA-001T	34.00
0-1mA DC (P&J)	1952-DMA-001P	30.00	1953-DMA-001P	32.00	1954-DMA-001P	34.00
0-50mV DC (P&J)	1952-DMV-050P	32.00	1953-DMV-050P	34.00	1954-DMV-050P	34.00
0-50mV DC (P&J)	1952-DMV-050T	32.00	1953-DMV-050T	34.00	1954-DMV-050T	34.00
0-5V DC (P&J)	1952-DCV-005P	32.00	1953-DCV-005P	34.00	1954-DCV-005P	34.00
0-10V DC (P&J)	1952-DCV-010P	32.00	1953-DCV-010P	34.00	1954-DCV-010P	34.00
0-15V DC (P&J)	1952-DCV-015P	32.00	1953-DCV-015P	34.00	1954-DCV-015P	36.00
0-30V DC (P&J)	1952-DCV-030P	32.00	1953-DCV-030P	34.00	1954-DCV-030P	36.00
0-50V DC (P&J)	1952-DCV-050P	32.00	1953-DCV-050P	34.00	1954-DCV-050P	36.00
0-5A DC (P&J)	1952-DCA-005P	34.00	1953-DCA-005P	36.00	1954-DCA-005P	38.00
0-30A DC (P&J)	1952-DCA-030P	34.00	1953-DCA-030P	36.00	1954-DCA-030P	38.00
0-50μA DC (P&J)	1952-DCU-050P	34.00	1953-DCU-050P	36.00	1954-DCU-050P	38.00
0-100μA DC (P&J)	1952-DCU-100P	34.00	1953-DCU-100P	36.00	1954-DCU-100P	38.00
AC Ranges	Model 1952	Each	Model 1953	Each	Model 1954	Each
0-5A AC (IV)	1952-ACA-005	32.00	1953-ACA-005	34.00	1954-ACA-005	36.00
0-30A AC (IV)	1952-ACA-030	34.00	1953-ACA-030	36.00	1954-ACA-030	38.00
0-150V AC (IV)	1952-ACV-150	32.00	1953-ACV-150	34.00	1954-ACV-150	36.00
0-300V AC (IV)	1952-ACV-300	34.00	1953-ACV-300	36.00	1954-ACV-300	38.00

TB = Taut Band P&J = Pivot & Jewel IV = Iron Vane

All Prices are Suggested U.S. List and subject to change without notice.



- ▲ Low Cost, High Quality
- ▲ UL Recognized
- ▲ Wide Selection of Ranges
- ▲ AC & DC Volt Meters
- ▲ AC & DC Current Meters
- ▲ Frequency Meters
- ▲ Elapsed Time Meters
- ▲ Customized Scales available
- ▲ Mirrored Scales available

195 Series Ordering Guide

Example: 1952-DCV-005P

METER STYLE CODE 195	METER SIZE 1.5" 1 2.5" 2 3.5" 3 4.5" 4	METER MOVEMENT* CODE PIVOT & JEWEL P TAUT BAND T
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INPUT SIGNAL	CODE	RANGE	CODE	RANGE	CODE
AC MILLIAMPERES	AMA	1	001	120	120
AC AMPERES	ACA	4-20	4020	200	200
AC VOLTS	ACV	5	005	240	240
DC MICROAMPERES	DCU	10	010	250	250
DC MILLIAMPERES	DMA	10-50	1050	300	300
DC AMPERES	DCA	15	015	380-420	3842
DC MILLIVOLTS	DMV	20	020	400	400
DC VOLTS	DCV	25	025	500	500
FREQUENCY **	FRQ	30	030	600	600
ELAPSED TIME ***	ETM	40	040	750	750
		45-55	4555	800	800
		45-65	4565	1000	1000
		50	050	1200	1200
		55-65	5565	1400	1400
		60	060	1500	1500
		75	075	1600	1600
		80	080	1800	1800
		100	100	2000	2000

* All AC Meters have Iron Vane movements, therefore no code is required in last box for AC Meters.
** Frequency Meters are not available in 1.5" case.
*** Elapsed Time Meters only available in 3.5" case.
Model 1951 only available in select ranges.

Industrial Panel Meters - 195 Series Specifications

Specifications	DC Ranges		AC Ranges (Rectifier Type)		Iron Vane		
	Current	Voltage	Current	Voltage	Current	Voltage	
Accuracy	±2%	±2%	±3%	±3%	±2%	±2%	
Balance	±1%	±1%	±1%	±1%	1%	1%	
Repeatability	Taut band	±0.5%	±0.5%	±0.5%	N/A	N/A	
	Pivot-and-Jewel	±2%	±2%	±2%	±2%	±2%	
Resistance Tolerance	±20%	±20%	±20%	±20%	±20%	±20%	
Overload Capacity	1 Second	1000%	≤ 100V 1000% > 100V 200%	150%	150%	1000%	≤ 100V 1000% > 100V 200%
	Continuous	150%	120%	120%	120%	150%	120%
Calibration Frequency	N/A	N/A	60 Hz	60 Hz	60 Hz	60 Hz	
Overshoot (maximum)	25%	25%	25%	25%	40%	40%	
Response Time (maximum)	3 sec	3 sec	3 sec	3 sec	3 sec	3 sec	

Effects of shock, vibration, humidity and temperature are equal to or better than ANSI C39.1-1981.
Safety (dielectric test, leakage and other hazards): instruments are equal to or better than ANSI C39.5-1974.
The above tolerance limits apply to the standard ranges listed in this bulletin. Special instruments may vary from these limits.
Rated circuit to ground voltage = 800 Vrms (1100 Peak).

195 Series Dimensions

Model	Height	Width	Depth*
1951 (1 1/2")	1.76"	1.76"	1.33"
1952 (2 1/2")	2.70"	2.70"	1.85"
1953 (3 1/2")	3.50"	3.50"	1.88"
1954 (4 1/2")	4.41"	4.85"	1.88"

* Depth = front of panel to end of terminals.
Call 800-TRIPLETT for more information & dimensional drawings.



Triplett Corporation One Triplett Drive Bluffton, OH 45817
800-TRIPLETT FAX: 419-358-7956 www.triplett.com
24 Hour Fax-On-Demand System: 1-888-TRIP-FAX

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Industrial Panel Meters

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- ▶ Hoyt
- ▶ Crompton
- ▶ Brighton



S Series Panel Meters (Surface Mount)

Models: 120S / 130S (1 1/2"), 220S / 230S (2 1/2"), 320S / 330S (3 1/2"), 420S / 430S (4 1/2"), 520S / 530S (5 1/2")

W Series Panel Meters (Window Mount)

Models: 120W / 130W (1 1/2"), 220W / 230W (2 1/2"), 320W / 330W (3 1/2"), 420W / 430W (4 1/2"), 520W / 530W (5 1/2")

- ▲ Low Cost, High Quality
- ▲ UL Recognized
- ▲ Surface or Window Mount
- ▲ Wide Selection of Ranges
- ▲ AC & DC Volt Meters
- ▲ AC & DC Current Meters
- ▲ Frequency Meters
- ▲ Elapsed Time Meters
- ▲ Customized Scales available
- ▲ Mirrored Scales available

Our Most Popular Ranges

DC Ranges	Model 220S	Each	Model 320S	Each	Model 420S	Each
0-1mA DC (TB)	220S-DMA-001T	30.00	320S-DMA-001T	32.00	420S-DMA-001T	34.00
0-1mA DC (P&J)	220S-DMA-001P	30.00	320S-DMA-001P	32.00	420S-DMA-001P	34.00
0-50mV DC (P&J)	220S-DMV-050P	32.00	320S-DMV-050P	34.00	420S-DMV-050P	34.00
0-5V DC (P&J)	220S-DCV-005P	32.00	320S-DCV-005P	34.00	420S-DCV-005P	34.00
0-10V DC (P&J)	220S-DCV-010P	32.00	320S-DCV-010P	34.00	420S-DCV-010P	34.00
0-15V DC (P&J)	220S-DCV-015P	32.00	320S-DCV-015P	34.00	420S-DCV-015P	36.00
0-30V DC (P&J)	220S-DCV-030P	32.00	320S-DCV-030P	34.00	420S-DCV-030P	36.00
0-50V DC (P&J)	220S-DCV-050P	32.00	320S-DCV-050P	34.00	420S-DCV-050P	36.00
0-5A DC (P&J)	220S-DCA-005P	34.00	320S-DCA-005P	36.00	420S-DCA-005P	38.00
0-30A DC (P&J)	220S-DCA-030P	34.00	320S-DCA-030P	36.00	420S-DCA-030P	38.00
0-50µA DC (P&J)	220S-DCU-050P	34.00	320S-DCU-050P	36.00	420S-DCU-050P	38.00
0-100µA DC (P&J)	220S-DCU-100P	34.00	320S-DCU-100P	36.00	420S-DCU-100P	38.00
AC Ranges	Model 230S	Each	Model 330S	Each	Model 430S	Each
0-5A AC (IV)	230S-ACA-005	32.00	330S-ACA-005	34.00	430S-ACA-005	36.00
0-30A AC (IV)	230S-ACA-030	34.00	330S-ACA-030	36.00	430S-ACA-030	38.00
0-150V AC (IV)	230S-ACV-150	32.00	330S-ACA-050	34.00	430S-ACV-150	36.00
0-300V AC (IV)	230S-ACV-300	34.00	330S-ACV-150	36.00	430S-ACV-300	38.00

TB = Taut Band P&J = Pivot & Jewel IV = Iron Vane
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For W Series Models: Substitute "W" for "S" in part number.

W/S Series Ordering Guide

Example: 320S-DCV-005P

METER SIZE	CODE	INPUT TYPE	CODE	METER STYLE	CODE	METER MOVEMENT*	CODE
1.5"	1	DC	20	W		P	
2.5"	2	AC	30	S		T	
3.5"	3						
4.5"	4						
5.5"	5						

INPUT SIGNAL	CODE	RANGE	CODE	RANGE	CODE
AC MILLIAMPERES	AMA	1	001	120	120
AC AMPERES	ACA	3	003	150	150
AC VOLTS	ACV	4-20	4020	200	200
DC MICROAMPERES	DCU	5	005	240	240
DC MILLIAMPERES	DMA	10	010	250	250
DC AMPERES	DCA	10-50	1050	300	300
DC MILLIVOLTS	DMV	15	015	380-420	3842
DC VOLTS	DCV	20	020	400	400
FREQUENCY **	FRQ	25	025	500	500
ELAPSED TIME ***	ETM	30	030	600	600
		40	040	750	750
		45-55	4555	800	800
		45-65	4565	1000	1000
		50	050	1200	1200
		55-65	5565	1400	1400
		60	060	1500	1500
		75	075	1600	1600
		80	080	1800	1800
		100	100	2000	2000

* All AC Meters have Iron Vane movements, therefore no code is required in last box for AC Meters.
** Frequency Meters are not available in 1.5" case.
*** Elapsed Time Meters only available in 3.5" case.

Industrial Panel Meters - W / S Series Specifications

Specifications	DC Ranges		AC Ranges (Rectifier Type)		Iron Vane	
	Current	Voltage	Current	Voltage	Current	Voltage
Accuracy	±2%	±2%	±3%	±3%	±2%	±2%
Balance	±1%	±1%	±1%	±1%	1%	1%
Repeatability	Taut band	±0.5%	±0.5%	±0.5%	N/A	N/A
	Pivot-and-Jewel	±2%	±2%	±2%	±2%	±2%
Resistance Tolerance	±20%		±20%		±20%	
Overload Capacity	1 Second	1000%	≤ 100V 1000% > 100V 200%	150%	150%	1000%
	Continuous	150%	120%	120%	120%	150%
Calibration Frequency	N/A		60 Hz	60 Hz	60 Hz	60 Hz
Overshoot (maximum)	25%		25%	25%	40%	40%
Response Time (maximum)	3 sec		3 sec	3 sec	3 sec	3 sec

Effects of shock, vibration, humidity and temperature are equal to or better than ANSI C39.1-1981.
Safety (dielectric test, leakage and other hazards): instruments are equal to or better than ANSI C39.5-1974.
The above tolerance limits apply to the standard ranges listed in this bulletin. Special instruments may vary from these limits.
Rated circuit to ground voltage = 800 Vrms (1100 Peak).

W / S Series Dimensions

Model	Height	Width	Depth*
W/S 120 (1 1/2")	1.75"	2.24"	1.55"
W/S 220 (2 1/2")	2.27"	2.99"	1.80"
W/S 320 (3 1/2")	2.87"	3.70"	1.80"
W/S 420 (4 1/2")	3.96"	5.10"	1.80"
W/S 520 (5 1/2")	4.48"	5.85"	1.80"

* Depth = front of panel to end of terminals.
Call 800-TRIPLETT for more information & dimensional drawings.



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