

Crompton DC Current & Voltage Meters

Challenger and Saxon

- Accuracy: $\pm 2\%$ of Full Scale
- Meets ANSI C39.1
- Four Display Sizes: 1½", 2½", 3½", and 4½"
- Pivot & Jewel Movement
- Replacements for Yokogawa Horizon & Big Look



Challenger 363



Saxon 013

MODEL CODE

1	Insert Model Number:
361	Challenger 1½"
362	Challenger 2½"
363	Challenger 3½"
364	Challenger 4½"
012	Saxon 2½"
013	Saxon 3½"

ORDERING INFORMATION

DC Ammeters—Zero Left

100 μ A	1	-01AA-DRDR
200 μ A	1	-01AA-EAEA
1 mA	1	-01AA-FAFA
10 mA	1	-01AA-GZGZ
20 mA	1	-01AA-HFHF
4-20 mA	1	-01AA-HGHG
25 mA	1	-01AA-HJHJ
30 mA	1	-01AA-HMHM
50 mA	1	-01AA-HYHY
100 mA	1	-01AA-JRJR
250 mA	1	-01AA-KDKD
500 mA	1	-01AA-KMKM
600 mA	1	-01AA-KPKP
1 Amp	1	-01AA-LALA
1.5 Amp	1	-01AA-LCLC
2 Amp	1	-01AA-LELE
3 Amp	1	-01AA-LJLJ
5 Amp	1	-01AA-LSLS
10 Amp	1	-01AA-MTMT
15 Amp	1	-01AA-NDND**
20 Amp	1	-01AA-NGNG**
30 Amp	1	-01AA-NLNL**

DC Ammeters—Zero Left, 50mV, Shunt Rated

Scale Only

20 Amp	1	-01AA-ECNG
30 Amp	1	-01AA-ECNL
50 Amp	1	-01AA-ECNT
75 Amp	1	-01AA-ECPB
100 Amp	1	-01AA-ECPK
150 Amp	1	-01AA-ECPZ
200 Amp	1	-01AA-ECRL
250 Amp	1	-01AA-ECRS
300 Amp	1	-01AA-ECRX
400 Amp	1	-01AA-CSC
500 Amp	1	-01AA-ECSF
600 Amp	1	-01AA-ECSJ
800 Amp	1	-01AA-ECSN
1000 Amp	1	-01AA-ECSS

ORDERING INFORMATION

DC Ammeters—Zero Center**

100-0-100 μ A	1	-01CA-LALA
200-0-200 μ A	1	-01CA-LELE
500-0-500 μ A	1	-01CA-LSLS
1-0-1 mA	1	-01CA-MTMT
2-0-2 mA	1	-01CA-NDND
5-0-5 mA	1	-01CA-NGNG
10-0-10 mA	1	-01CA-MTMT
20-0-20 mA	1	-01CA-NGNG
30-0-30 mA	1	-01CA-NLNL
50-0-50 mA	1	-01CA-MTMT
100-0-100 mA	1	-01CA-NDND
200-0-200 mA	1	-01CA-NGNG
500-0-500 mA	1	-01CA-NLNL
1-0-1 Amp	1	-01CA-LALA
2-0-2 Amp	1	-01CA-LELE
5-0-5 Amp	1	-01CA-LSLS
10-0-10 Amp	1	-01CA-MTMT
15-0-15 Amp	1	-01CA-NDND**
20-0-20 Amp	1	-01CA-NGNG**
30-0-30 Amp	1	-01CA-NLNL**

DC Millivoltmeters—Zero Left

50 mV	1	-01VA-HYHY
60 mV	1	-01VA-JCJC
75 mV	1	-01VA-JDJD
100 mV	1	-01VA-JRJR
150 mV	1	-01VA-JXJX
200 mV	1	-01VA-KAKA
300 mV	1	-01VA-KGKG
500 mV	1	-01VA-KMKM

** Not available in 1½"

OPTIONS

Custom Scaling
Custom Legends/Logos
Non-standard Ranges
Color Bands
2 or 4 stud mounting (Saxon only)

ORDERING INFORMATION

DC Voltmeters—Zero Left

1.0 Volts	1	-01VA-LALA
1.5 Volts	1	-01VA-LCLC
3 Volts	1	-01VA-LJLJ
5 Volts	1	-01VA-LSLS
6 Volts	1	-01VA-LWLW
8 Volts	1	-01VA-LJMJ
10 Volts	1	-01VA-MTMT
15 Volts	1	-01VA-NDND
20 Volts	1	-01VA-NSNS
30 Volts	1	-01VA-NLNL
40 Volts	1	-01VA-NPNP
50 Volts	1	-01VA-NTNT
60 Volts	1	-01VA-NWNW
80 Volts	1	-01VA-PDPD
100 Volts	1	-01VA-PKPK
120 Volts	1	-01VA-PQPQ
150 Volts	1	-01VA-PZPZ
200 Volts	1	-01VA-RLRL
250 Volts	1	-01VA-RSRS
300 Volts	1	-01VA-RXR X
500 Volts	1	-01VA-SFSF**
600 Volts	1	-01VA-SJSJ**

DC Voltmeters—Zero Center**

5-0-5 Volts	1	-01NA-LSLS
10-0-10 Volts	1	-01NA-MTMT
15-0-15 Volts	1	-01NA-NDND
25-0-25 Volts	1	-01NA-NJNJ
30-0-30 Volts	1	-01NA-NLNL
50-0-50 Volts	1	-01NA-NTNT
80-0-80 Volts	1	-01NA-PDPD
150-0-150 V	1	-01NA-PZPZ
300-0-300 V	1	-01NA-RXR X
500-0-500 V	1	-01NA-SFSF**
600-0-600 V	1	-01NA-SJSJ**

Note:
Add suffix -B3 to Saxon P/N for 3 stud mounting.

DIMENSIONS

Model	361	362	363	364	012	013
Case Size	1½"	2½"	3½"	4½"	2½"	3½"
Size (H x W x D)	1.8" x 2.3" x 1.8"	2.66" x 3.12" x 1.81"	3.32" x 3.89" x 1.83"	4.18" x 4.73" x 1.83"	2.7" x 2.7" x 1.85"	3.5" x 3.5" x 2.0"
Barrel (cutout)	1.56"	2.16"	2.16"	2.70"	2.20"	2.75"
Window (cutout)	0.94" x 2.17"	1.28" x 2.92"	1.61" x 3.63"	2.36" x 5.05"	---	---

Crompton AC Current and Voltage Meters

Challenger and Saxon

- Accuracy: $\pm 1.5\%$ of Full Scale ($\pm 2\%$ for Saxon)
- Meets ANSI C39.1
- Four Display Sizes: 1½", 2½", 3½", and 4½"
- Replacements for Yokogawa Horizon & Big Look



Saxon 013

Challenger 363



Rectifier Type - Challenger Series

ORDERING INFORMATION

Insert Model Number:	
361	Challenger 1½"
362	Challenger 2½"
363	Challenger 3½"
364	Challenger 4½"

AC Milliammeters, Moving Coil, 50/60 Hz

5 mA	[1] -01BA-FXFX-C7
10 mA	[1] -01BA-GZGZ-C7
20 mA	[1] -01BA-HFHF-C7
30 mA	[1] -01BA-GZGZ-C7
50 mA	[1] -01BA-HYHY-C7
75 mA	[1] -01BA-JDJD-C7
80 mA	[1] -01BA-JJJJ-C7
100 mA	[1] -01BA-JRJR-C7
150 mA	[1] -01BA-JJXX-C7
200 mA	[1] -01BA-KAKA-C7
500 mA	[1] -01BA-KMKM-C7

AC Voltmeters, Moving Coil, 50/60 Hz

10 Volts	[1] -01WA-MTMT-C7
15 Volts	[1] -01WA-NDND-C7
20 Volts	[1] -01WA-NGNG-C7
25 Volts	[1] -01WA-NJNJ-C7
30 Volts	[1] -01WA-NLNL-C7
50 Volts	[1] -01WA-NTNT-C7
80 Volts	[1] -01WA-PDPD-C7
100 Volts	[1] -01WA-PKPK-C7
150 Volts	[1] -01WA-PZPZ-C7
200 Volts	[1] -01WA-RLRL-C7
250 Volts	[1] -01WA-RSRS-C7
300 Volts	[1] -01WA-RXRXC7

TRMS Reading - Challenger Series

ORDERING INFORMATION

Insert Model Number:	
362	Challenger 2½"
363	Challenger 3½"
364	Challenger 4½"

AC Ammeters, Moving Iron, 50/60 Hz

1 Amp	[1] -02AA-LALA-C7
3 Amp	[1] -02AA-LJLJ-C7
5 Amp	[1] -02AA-LSLS-C7
8 Amp	[1] -02AA-MJMJ-C7
10 Amp	[1] -02AA-MTMT-C7
15 Amp	[1] -02AA-NDND-C7
20 Amp	[1] -02AA-NGNG-C7
30 Amp	[1] -02AA-NLNL-C7
50 Amp	[1] -02AA-NTNT-C7

AC Ammeters-Transformer Rated, 0-5 Amp, Scale Only

10 Amp	[1] -02AA-LSMT-C7
15 Amp	[1] -02AA-LSND-C7
20 Amp	[1] -02AA-LSNG-C7
30 Amp	[1] -02AA-LSNL-C7
40 Amp	[1] -02AA-LSNP-C7
50 Amp	[1] -02AA-LSNT-C7
75 Amp	[1] -02AA-LSPB-C7
80 Amp	[1] -02AA-LSPD-C7
100 Amp	[1] -02AA-LSPK-C7
150 Amp	[1] -02AA-LSPZ-C7
200 Amp	[1] -02AA-LSRL-C7
300 Amp	[1] -02AA-LSRX-C7
400 Amp	[1] -02AA-LSSC-C7
500 Amp	[1] -02AA-LSSF-C7
600 Amp	[1] -02AA-LSSJ-C7
800 Amp	[1] -02AA-LSSN-C7
1000 Amp	[1] -02AA-LSSS-C7

AC Voltmeter, Moving Iron, 50/60 Hz

10 Volts	[1] -02VA-MTMT-C7
15 Volts	[1] -02VA-NDND-C7
30 Volts	[1] -02VA-NLNL-C7
50 Volts	[1] -02VA-NTNT-C7
100 Volts	[1] -02VA-PKPK-C7
150 Volts	[1] -02VA-PZPZ-C7
300 Volts	[1] -02VA-RXRXC7
500 Volts	[1] -02VA-SFSF-C7
600 Volts	[1] -02VA-SJSJ-C7

AC Voltmeter, Transformer Rated, Iron Vane, 0-150V, 50/60 Hz

Scale:	
150 Volts	[1] -02VA-PZPZ-C7
300 Volts	[1] -02VA-PZRX-C7
600 Volts	[1] -02VA-PZSJ-C7
750 Volts	[1] -02VA-PZSMJ-C7
3 kV	[1] -02VA-PZUA-C7

Notes:

- For 400Hz, change C7 in part number to C4.
- Add suffix -B3 to Saxon P/N for 3 stud mounting.

TRMS Reading - Saxon Series

ORDERING INFORMATION

Insert Model Number:	
012	Saxon 2½"
013	Saxon 3½"

AC Ammeters, Moving Iron, 50/60 Hz

1 Amp	[1] -75AA-LALA-C7
3 Amp	[1] -75AA-LJLJ-C7
5 Amp	[1] -75AA-LSLS-C7
8 Amp	[1] -75AA-MJMJ-C7
10 Amp	[1] -75AA-MTMT-C7
15 Amp	[1] -75AA-NDND-C7
20 Amp	[1] -75AA-NGNG-C7
30 Amp	[1] -75AA-NLNL-C7
50 Amp	[1] -75AA-NTNT-C7

AC Ammeters-Transformer Rated, 0-5 Amp, Scale Only

10 Amp	[1] -75AA-LSMT-C7
15 Amp	[1] -75AA-LSND-C7
20 Amp	[1] -75AA-LSNG-C7
30 Amp	[1] -75AA-LSNL-C7
40 Amp	[1] -75AA-LSNP-C7
50 Amp	[1] -75AA-LSNT-C7
75 Amp	[1] -75AA-LSPB-C7
80 Amp	[1] -75AA-LSPD-C7
100 Amp	[1] -75AA-LSPK-C7
150 Amp	[1] -75AA-LSPZ-C7
200 Amp	[1] -75AA-LSRL-C7
300 Amp	[1] -75AA-LSRX-C7
400 Amp	[1] -75AA-LSSC-C7
500 Amp	[1] -75AA-LSSF-C7
600 Amp	[1] -75AA-LSSJ-C7
800 Amp	[1] -75AA-LSSN-C7
1000 Amp	[1] -75AA-LSSS-C7

AC Voltmeter, Moving Iron, 50/60 Hz

10 Volts	[1] -75VA-MTMT-C7
15 Volts	[1] -75VA-NDND-C7
30 Volts	[1] -75VA-NLNL-C7
50 Volts	[1] -75VA-NTNT-C7
100 Volts	[1] -75VA-PKPK-C7
150 Volts	[1] -75VA-PZPZ-C7
300 Volts	[1] -75VA-RXRXC7
500 Volts	[1] -75VA-SFSF-C7
600 Volts	[1] -75VA-SJSJ-C7

AC Voltmeter, Transformer Rated, Iron Vane, 0-150V, 50/60 Hz

Scale:	
150 Volts	[1] -75VA-PZPZ-C7
300 Volts	[1] -75VA-PZRX-C7
600 Volts	[1] -75VA-PZSJ-C7
750 Volts	[1] -75VA-PZSMJ-C7
3 kV	[1] -75VA-PZUA-C7

OPTIONS

- Custom Scaling
- Custom Legends/Logos
- Non-standard Ranges
- Color Bands
- 2 or 4 stud mounting (Saxon only)

DIMENSIONS

Model	361	362	363	364	012	013
Case Size	1½"	2½"	3½"	4½"	2½"	3½"
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Window (cutout)	0.94" x 2.17"	1.28" x 2.92"	1.61" x 3.63"	2.36" x 5.05"	---	---

Crompton Frequency Meters


**Challenger
363**

**Saxon
013**

Challenger and Saxon

- Accuracy Class 0.5
- Meets ANSI C39.1
- Three Display Sizes: 2½", 3½", and 4½"
- Replacements for Yokogawa Horizon & Big Look

MODEL CODE

Insert Model Number:	
362	Challenger 2½"
363	Challenger 3½"
364	Challenger 4½"
012	Saxon 2½"
013	Saxon 3½"

ORDERING INFORMATION

AC Frequency Meters, Self Contained, Accuracy Class 0.5

Voltage Input	Center Frequency	Scale (Hz)	Part Number
110/130 VAC	50	45-55	1 -41SA-PNAG-AG
110/130 VAC	55	45-65	1 -41SA-PNAJ-AJ
110/130 VAC	60	55-65	1 -41SA-PNAN-AN
110/130 VAC**	400	380-420	1 -41SA-PNBI-BI
200/250 VAC	50	45-55	1 -41SA-RNAG-AG
200/250 VAC	55	45-65	1 -41SA-RNAJ-AJ
200/250 VAC	60	55-65	1 -41SA-RNAN-AN
200/250 VAC**	400	380-420	1 -41SA-RNBI-BI

**Saxon Only

Note: Add suffix -B3 to Saxon P/N for 3 stud mounting.

DIMENSIONS

Model	362	363	364	012	013
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Barrel (cutout)	2.16"	2.16"	2.70"	2.20"	2.75"
Window (cutout)	1.28" x 2.92"	1.61" x 3.63"	2.36" x 5.05"	---	---

Options:

Custom Scales
 Special Legends
 Custom Logos
 Color Bands
 2 or 4 stud mounting (Saxon only)