



Switchboard Shunts

FG – 75 to 2500 AMPS

GENERAL INFORMATION:

Extending measurement of currents beyond available limits of self-contained DC ammeters



APPLICATIONS:

Panel meters, Switchboard, solar, rail, or other DC applications

CONTINUOUS OPERATION

Recommended that shunts are not run at more than two-thirds (2/3) the rated current under normal conditions as per IEEE standards

Model	FG
Amperes	75 – 2500

MODEL FG – 75 to 2500 AMPS

Approximate weight: 0.6 lbs.

50 mV Series

CATALOG NUMBER	INPUT (AMPS)	OUTPUT (mV)	ACCURACY
FG-75-50	75	50	± 0.25%
FG-80-50	80	50	± 0.25%
FG-100-50	100	50	± 0.25%
FG-150-50	150	50	± 0.25%
FG-200-50	200	50	± 0.25%
FG-250-50	250	50	± 0.25%
FG-300-50	300	50	± 0.25%
FG-400-50	400	50	± 0.25%
FG-500-50	500	50	± 0.25%
FG-600-50	600	50	± 0.25%
FG-800-50	800	50	± 0.25%
FG-1000-50	1,000	50	± 0.25%
FG-1200-50	1,200	50	± 0.25%
FG-1500-50	1,500	50	± 0.25%
FG-2000-50	2,000	50	± 0.25%
FG-2500-50	2,500	50	± 0.25%

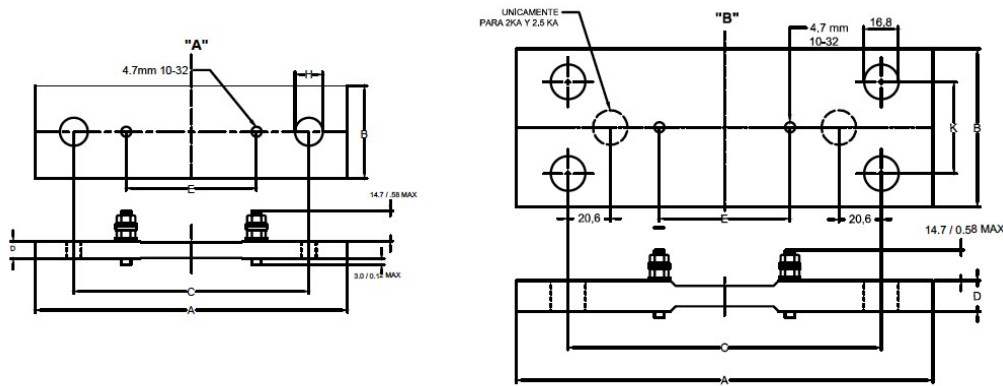
100 mV Series

CATALOG NUMBER	INPUT (AMPS)	OUTPUT (mV)	ACCURACY
FG-75-100	75	100	± 0.25%
FG-80-100	80	100	± 0.25%
FG-100-100	100	100	± 0.25%
FG-150-100	150	100	± 0.25%
FG-200-100	200	100	± 0.25%
FG-250-100	250	100	± 0.25%
FG-300-100	300	100	± 0.25%
FG-400-100	400	100	± 0.25%
FG-500-100	500	100	± 0.25%
FG-600-100	600	100	± 0.25%
FG-800-100	800	100	± 0.25%
FG-1000-100	1,000	100	± 0.25%
FG-1200-100	1,200	100	± 0.25%
FG-1500-100	1,500	100	± 0.25%
FG-2000-100	2,000	100	± 0.25%
FG-2500-100	2,500	100	± 0.25%

Tolerances ± 0.015 in (0.381 mm) for hole diameters.

Other tolerances ± 0.030 in (0.762 mm) unless otherwise noted.

Dimensions are subjects to change without notice.



50mA MODEL TYPE FG 75 THROUGH 1200 AMPERES

CATALOG No.	AMP	A		B		C		D		E		H	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
FG-75-50	75	151.9	5.98	26.9	1.06	114.3	4.5	3.6	0.14	63.5	2.5	10.4	0.41
FG-80-50	80	151.9	5.98	28.7	1.13	114.3	4.5	3.6	0.14	63.5	2.5	10.4	0.41
FG-100-50	100	151.9	5.98	35.8	1.41	114.3	4.5	3.6	0.14	63.5	2.5	10.4	0.41
FG-150-50	150	151.9	5.98	26.9	1.06	114.3	4.5	4.8	0.19	63.5	2.5	13.5	0.53
FG-200-50	200	151.9	5.98	35.8	1.41	114.3	4.5	4.8	0.19	63.5	2.5	13.5	0.53
FG-250-50	250	151.9	5.98	45.0	1.77	114.3	4.5	7.4	0.29	63.5	2.5	13.5	0.53
FG-300-50	300	151.9	5.98	35.8	1.41	114.3	4.5	7.4	0.29	63.5	2.5	13.5	0.53
FG-400-50	400	151.9	5.98	45.0	1.77	114.3	4.5	8.6	0.34	63.5	2.5	13.5	0.53
FG-500-50	500	151.9	5.98	45.0	1.77	114.3	4.5	8.6	0.34	63.5	2.5	13.5	0.53
FG-600-50	600	202.7	7.98	54.4	2.14	152.4	6.0	8.6	0.34	63.5	2.5	16.8	0.66
FG-800-50	800	202.7	7.98	57.9	2.28	152.4	6.0	11.2	0.44	63.5	2.5	16.8	0.66
FG-1000-50	1000	202.7	7.98	71.9	2.83	152.4	6.0	11.2	0.44	63.5	2.5	16.8	0.66
FG-1200-50	1200	202.7	7.98	71.9	2.83	152.4	6.0	12.4	0.49	63.5	2.5	16.8	0.66

Dimensions: (Dwg A)

50mA MODEL TYPE FG 1500 THROUGH 2500 AMPERES

CATALOG No.	AMP	A		B		C		D		E		H	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
FG-1500-50	1500	202.7	7.98	76.7	3.02	152.4	6.0	15.0	0.59	63.5	2.5	7.1	0.28
FG-2000-50	2000	202.7	7.98	102.6	4.04	152.4	6.0	15.0	0.59	63.5	2.5	7.1	0.28
FG-2500-50	2500	202.7	7.98	99.6	3.92	152.4	6.0	18.8	0.74	63.5	2.5	7.1	0.28

Dimensions: (Dwg B)

100mA MODEL TYPE FG 75 THROUGH 1200 AMPERES

CATALOG No.	AMP	A		B		C		D		E		H	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
FG-75-100	75	202.7	7.98	26.9	1.06	165.1	6.5	3.6	0.14	114.3	4.5	10.4	0.41
FG-180-100	180	202.7	7.98	28.7	1.13	165.1	6.5	3.6	0.14	114.3	4.5	10.4	0.41
FG-100-100	100	202.7	7.98	35.8	1.41	165.1	6.5	3.6	0.14	114.3	4.5	10.4	0.41
FG-150-100	150	202.7	7.98	26.9	1.06	165.1	6.5	4.8	0.19	114.3	4.5	13.5	0.53
FG-200-100	200	202.7	7.98	35.8	1.41	165.1	6.5	4.8	0.19	114.3	4.5	13.5	0.53
FG-250-100	250	202.7	7.98	30.0	1.18	165.1	6.5	7.4	0.29	114.3	4.5	13.5	0.53
FG-300-100	300	202.7	7.98	35.8	1.41	165.1	6.5	7.4	0.29	114.3	4.5	13.5	0.53
FG-400-100	400	202.7	7.98	35.8	1.41	165.1	6.5	8.6	0.34	114.3	4.5	13.5	0.53
FG-500-100	500	202.7	7.98	45.0	1.77	165.1	6.5	8.6	0.34	114.3	4.5	13.5	0.53
FG-600-100	600	202.7	7.98	53.8	2.12	203.2	8.0	8.6	0.34	114.3	4.5	16.8	0.66
FG-800-100	800	202.7	7.98	57.4	2.26	203.2	8.0	11.2	0.44	114.3	4.5	16.8	0.66
FG-1000-100	1000	202.7	7.98	71.9	2.83	203.2	8.0	11.2	0.44	114.3	4.5	16.8	0.66
FG-1200-100	1200	202.7	7.98	71.9	2.83	203.2	8.0	12.4	0.49	114.3	4.5	16.8	0.66

Dimensions: (Dwg A)

100mA MODEL TYPE FG 1500 THROUGH 2500 AMPERES

CATALOG No.	AMP	A		B		C		D		E		K	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
FG-1500-100	1500	253.5	3.98	76.7	3.02	203.2	8.0	15.0	0.59	114.3	4.5	44.4	1.75
FG-2000-100	2000	253.5	3.98	102.6	4.04	203.2	8.0	15.0	0.59	114.3	4.5	63.5	2.50
FG-2500-100	2500	253.5	3.98	99.6	3.92	203.2	8.0	18.8	0.74	114.3	4.5	63.5	2.50

Dimensions: (Dwg B)

Tolerances ± 0.015 in (0.381 mm) for hole diameters.

Other tolerances ± 0.030 in (0.762 mm) unless otherwise noted.

Dimensions are subjects to change without notice.