

P/N: DM92

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Website

<http://www.flir.com>

Customer support

<http://support.flir.com>

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Part number	DM92
Part name	Industrial Digital Multimeter with LoZ and VFD Mode
Part description	The FLIR DM92 is an industrial-grade digital multimeter built for durability to ensure longevity in rugged environments. - Variable frequency drive (VFD) mode filters noisy variable-frequency drives and enables accurate voltage and frequency measurements for maintenance and troubleshooting tasks. - Low impedance (LoZ) eliminates ghost voltage errors from long wires that share a conduit. - Convenient LED work lights assist with focusing on test leads without the need to also hold a flashlight. Functions: DC voltage, AC voltage, DC current, AC current, resistance, type K thermocouple contact temperature, capacitance, frequency, diode, continuity, duty cycle. Features: VFD mode, LoZ mode, minimum, maximum, average recording, auto power off, hold, relative, peak hold, store, recall.
Measurement	
Maximum voltage	1000 V DC or 1000 V AC RMS
Display count	4000/40 000
Frequency counter	400.00 Hz $\pm$ 5 digits 4.0000 kHz $\pm$ 5 digits 40.000 kHz $\pm$ 5 digits 100.00 kHz $\pm$ 5 digits



FLIR DM92: Industrial Digital Multimeter with LoZ and VFD Mode

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Measurement	
Resistance	400.0 $\Omega \pm (0.2\% + 2 \text{ digits})$ 4.000 k $\Omega \pm (0.2\% + 1 \text{ digit})$ 40.00 k $\Omega \pm (0.2\% + 1 \text{ digit})$ 400.0 k $\Omega \pm (0.2\% + 1 \text{ digit})$ 4.000 M $\Omega \pm (1.0\% + 1 \text{ digits})$ 40.00 M $\Omega \pm (2.0\% + 20 \text{ digits})$
Continuity check	400.0 $\Omega \pm (0.2\% + 2 \text{ digits})$
Diode test	2.000 $\pm (1.5\% + 2 \text{ digits})$
Capacitance	40.00 nF $\pm (1.2\% + 20 \text{ digits})$ 400.0 nF $\pm (0.9\% + 2 \text{ digits})$ 4.000 $\mu\text{F} \pm (0.9\% + 2 \text{ digits})$ 40.00 $\mu\text{F} \pm (0.9\% + 2 \text{ digits})$ 400.0 $\mu\text{F} \pm (0.9\% + 2 \text{ digits})$ 4.000 mF $\pm (1.2\% + 20 \text{ digits})$ 40.00 mF $\pm (2.0\% + 20 \text{ digits})$
Temperature	-328 to 2192°F $\pm (1.0\% + 36 \text{ digits})$, -200 to 1200°C $\pm (1.0\% + 20 \text{ digits})$
Measuring rate	10 samples per second
Meter data	
Category rating	CAT IV—600 V, CAT III—1000 V
Data recording	20 000 points (125 days maximum)
Warranty	Limited lifetime warranty
Calibration cycle:	Once per year, recommended
Certifications	
Certifications	UL, CE, FCC, CB
Safety standards compliance	IEC 61010-1 CAT IV—600 V, CAT III—1000 V, IEC 61010-2-033
Power system	
Power requirements	6 $\times$ 1.5 V AAA alkaline batteries
Battery life	Approximately 100 hours with batteries (backlight and work light off)
Auto power off	Default: 10 minutes
Environmental data	
Operating ambient temperatures and relative humidity (RH)	14–86°F (-10 to 30°C), <85% RH 86–104°F (30–40°C), <75% RH 104–122°F (40–50°C), <45% RH
Storage temperature and RH	-22 to 140°F (-30 to -60°C), 0–80% RH (batteries not fitted)
Temperature coefficient	0.1 $\times$ (specified accuracy)/°C, <18°C, >28°C
Operating altitude	6560' (2000 m)
Pollution degree	2



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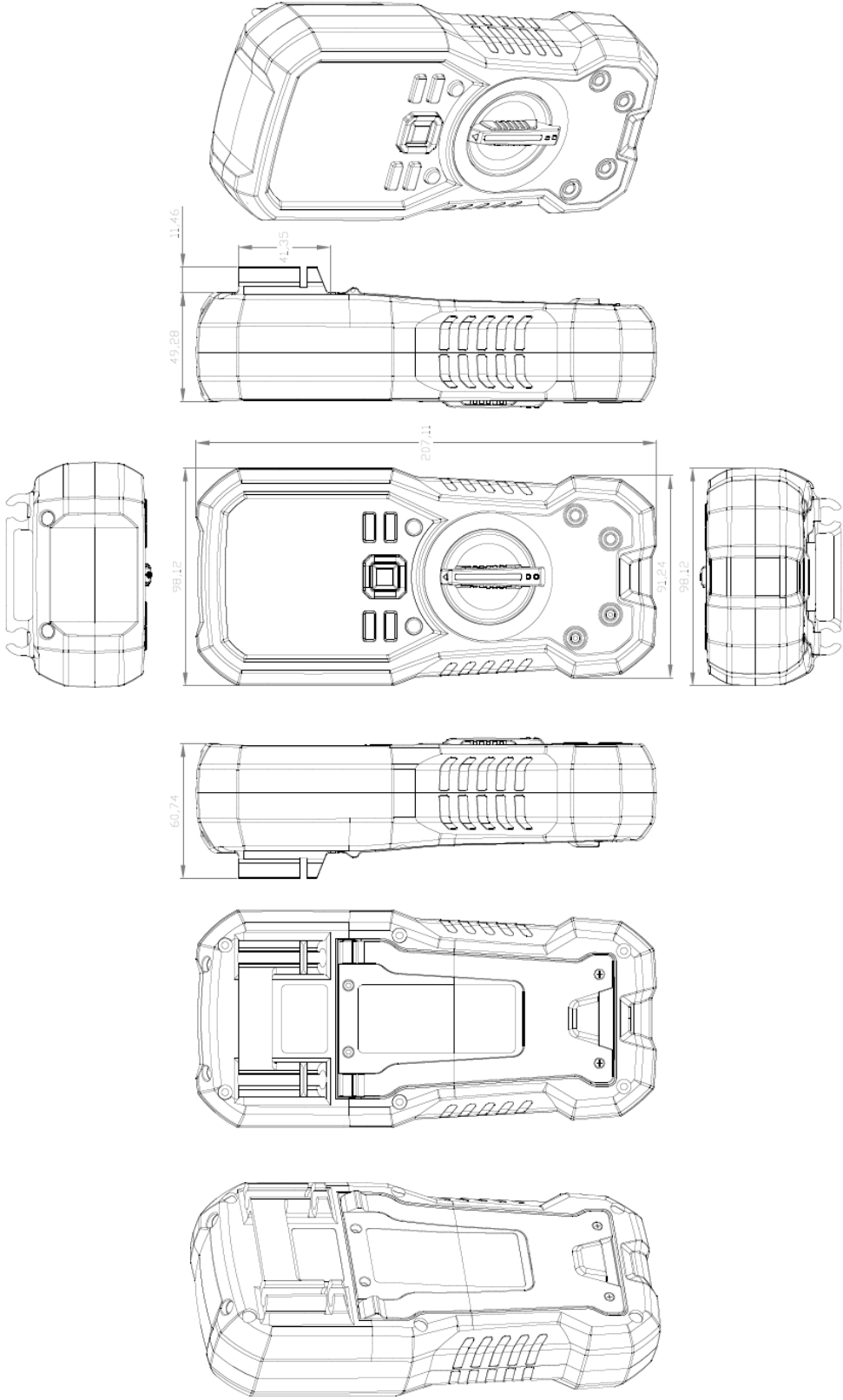
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Environmental data	
EMC	EN61326-1
Shock vibration	Per MIL-PRF-28800 for a Class 2 instrument
Meter physical data	
Weight	16.4 oz. (465 g) including batteries
Dimensions (H × W × L)	2.0" × 3.2" × 7.4" (52 mm × 83 mm × 188 mm) with holster
Material	PC-ABS, TPE
Color	Gray and black
Shipping information	
Packaging type	Color box with view of product in clamshell
Packaging contents	DM92 FLIR meter, TA80 premium test leads, 6 × AAA Energizer batteries, user manual/CD
Packaging weight	1.04 kg (2.29 lb.)
Packaging dimensions (H × W × L)	11 cm × 14 cm × 32 cm (4.3" × 5.5" × 12.6")
Carton weight	13.5 kg (29.5 lb.)
Carton dimensions (H × W × L)	13 7/8" × 11 1/2" × 24 1/8"
Carton quantity	12
EAN-13	0793950370926
UPC-12	793950370926
Country of Origin	Taiwan
Tariff Code	9030310000
Technical support	
Website	http://support.flir.com
E-mail	TMSupport@flir.com
Phone	855-499-3662
Repairs	repair@flir.com
Accessories	
TA10. EVA Protective case for DM9x and IM7x Series	
TA50. Magnetic Hanging Strap	
TA60. Thermocouple Adapter with Type K Probe	
TA70. CAT IV Insulated Alligator Probes (Slip On)	
TA80. CAT IV Silicone Test Leads	

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Modified Date	Modified By
Monday, August 18, 2014	T&M Engineering
Description	
FLIR DM92, Units in mm	

