

# DFM SERIES

## Digital Force Gauge

The CHATILLON® DFM Series is an economical answer for a wide assortment of material testing applications. These hand-held gauges are easy to use and ideal for compression or tensile tests with a maximum capacity of 100 lbs (50 kg). Four models are available, each with selectable engineering units in lbs, kg or N. Four pushbuttons allows the user to easily select peak value, reset zero, tare and engineering units. A large 0.5-inch LCD indicates current or peak measurement results, gauge setting and battery status.

The DFM Series has an internal sampling rate of 1000 samples per second and accuracy of  $\pm 0.5\%$  of full scale.

The DFM Series comes with a carrying case, stainless steel attachments and battery charger.

### FEATURES

- Simple Pushbutton Operation
- Rugged All-Metal Housing
- Capacities Up to 100 lbs (50 kg, 500 N)
- 1000Hz Sampling Rate
- Economical
- Hand-held or Test Stand Applications

### SPECIFICATIONS

Accuracy:	$\pm 0.5\%$ of Full Scale $\pm 1$ LSC
Selectable Units:	lb, kg, N
Overload Capacity:	110% of rated capacity
Display:	LCD, 4-1/2 characters
Sampling:	1000Hz
Power:	AC Adapter, NiCd Battery Pack
Accessories:	Carrying Case, Hook, Flat Head, Extension Rod, Battery Charger
Weight:	2 lbs (0.9 kg)
Warranty:	2 Years



*DFM with LTS Series Mechanical Stand*

**SPECIFICATION**  
SS-FM-3110-0801  
August 2001



*Pharmaceuticals*



*Electronics*



*Packaging*

**INTERNET**  
[www.force-gauge.net](http://www.force-gauge.net)

AMETEK and CHATILLON are registered trademarks of AMETEK, Inc.  
LLOYD INSTRUMENTS is a trademark of AMETEK, Inc.

Copyright 2000, by AMETEK, Inc.  
Printed in U.S.A

**Chatillon**   
A registered trademark of AMETEK Inc.

## ORDERING INFORMATION

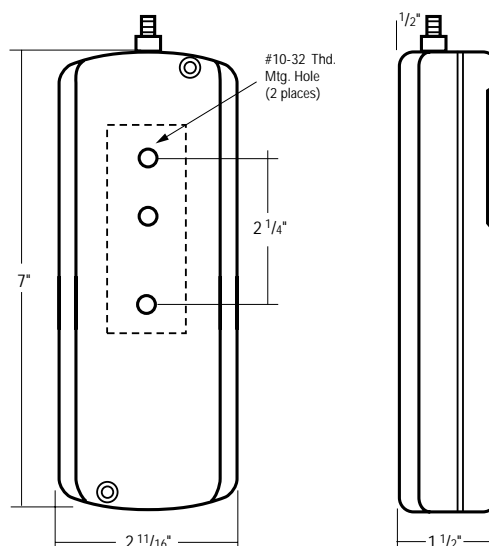
Model	Capacity
DFM2	2 lb x 0.002 lb 1 kg x 0.001 kg 10 N x 0.01 N
DFM10	10 lb x 0.01 lb 5 kg x 0.005 kg 50 N x 0.05 N
DFM50	50 lb x 0.05 lb 25 kg x 0.02 kg 250 N x 0.2 N
DFM100	100 lb x 0.1 lb 50 kg x 0.05 kg 500 N x 0.5 N

Please add suffix "-220V" to the Model number when the instrument is required to operate using 220V power. Example: DFM2-220V.

## STANDARD ACCESSORIES

Adapters	Capacity	Availability	Part No.	Notes
Flat Adapter	100 lbf (225 N)	Standard	SPK-FMG-011A	
Hook, #10-32	50 lbf (225 N)	Standard	SPK-FMG-012A	Standard on DFM2 thru DFM10
Hook, #10-32	100 lbf (500 N)	Standard	SPK-FMG-012B	Standard on DFM50 thru DFM100
Extension Rod, #10-32		Standard	SPK-FMG-013A	
Curved Fixture, Concave, 5/16-18		Optional	NC000737-1	4.25 inch (108mm) diameter
Rectangular Fixture, 5/16-18		Optional	NC000730-1	3.5 inch (89mm) diameter
Rectangular Fixture, 5/16-18		Optional	NC000738-1	0.75 inch (19mm) diameter
Adapter, #10-32F to 5/16-18M		Optional		Required for 5/16 Fixtures
Coupling, #10-32 to 6M		Optional		For metric probes/grips
Knurled Nut, 5/16-18		Optional	NC000857	
Test Stand Gauge Adapter Kits		Availability	Part No.	Notes
LTS Series		Optional	LTCK-2	Standard with Test Stand
LTC Series		Optional	LTCK-2	Standard with Test Stand
HTC Series		Optional	HTCK-2	
TT Tester		Optional	NC002582	
LTCM-6 Series		Optional	NC000986	Standard with Test Stand
LTCM-6E Series		Optional	NC000986	Standard with Test Stand
TCM201Series		Optional	NC000985	
TCM200 Series		Optional	NC000985	
LFPLUS Series		Optional	SPK/LFM/0006	
Miscellaneous		Availability	Part No.	Notes
Protective Carrying Case		Standard	SPK-DFM-061	
Battery Charger, 115V		Standard	SPK-FMG-016A	Standard with 115V models
Battery Charger, 220V		Standard	SPK-FMG-016B	Standard with 220V models
Hex Key, 7/64-inch		Standard	SPK-FMG-015	
Operator's Manual		Standard	SPK-DFM-060	

## DIMENSIONS



## TEST AND CALIBRATION INSTRUMENTS

Itin Scale Co., Inc.  
431 Avenue U  
Brooklyn, NY 11223  
PHONE: 718-336-5900  
FAX: 718-627-1313  
EMAIL: sales@itinscales.com  
www.itinscales.com

Information within this document is subject to change without notice.

ISO 9001 Manufacturer