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TECHNOLOGY GROUP

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DFIS SERIES
Digital Force Gauge

The CHATILLON® DFIS Series is extremely easy to setup, operate and maintain. Using a simple four pushbutton membrane keypad, users can quickly access peak values, reset zero, tare and select engineering units in lbs, kg or N. A large, easy-to-read LCD display displays current values, peak values, gauge settings and battery status. The DFIS samples at 1000Hz and includes a bi-directional RS232 serial data output and a modified BCD Mitutoyo output. The RS232 allows you to interface your gauge to a motorized test stand operating with our NEXYGEN automation software for a complete, economical testing system.

Each DFIS gauge comes with a carrying case, battery charger, removable loadcell shaft and a set of stainless steel attachments- flat, hook., cone, chisel, v-notch and extension rod.

FEATURES

- Simple Pushbutton Operation
- Rugged All-Metal Housing
- Capacities Up to 500 lbs (250 kg, 2.5 kN)
- 1000Hz Sampling Rate
- RS232 Serial Data Communications
- Hand-held or Test Stand Applications



DFIS with LTCM-6 Series Motorized Test Stand

SPECIFICATIONS

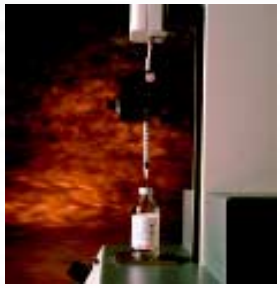
Accuracy:	±0.15% of Full Scale ±1 LSC
Selectable Units:	lb, kg, N
Overload Capacity:	110% of rated capacity
Display:	LCD, 4-1/2 characters
Sampling:	1000Hz
Outputs:	RS232. Mitutoyo, 12-Pin Hirose
Power:	AC Adapter, NiCd Battery Pack
Accessories:	Carrying Case, Attachments Extension Rod, Battery Charger
Weight:	2 lbs (0.9 kg)
Warranty:	2 Years



Pharmaceuticals



Electronics



Medical Device

SPECIFICATION
SS-FM-3112-0801
August 2001

INTERNET
www.force-gauge.net

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ORDERING INFORMATION

Model	Capacity
DFIS2	2 lb x 0.002 lb 1 kg x 0.001 kg 10 N x 0.01 N
DFIS10	10 lb x 0.01 lb 5 kg x 0.005 kg 50 N x 0.05 N
DFIS50	50 lb x 0.05 lb 25 kg x 0.02 kg 250 N x 0.2 N

Model	Capacity
DFIS100	100 lb x 0.1 lb 50 kg x 0.05 kg 500 N x 0.5 N
DFIS200	200 lb x 0.2 lb 100 kg x 0.1 kg 1000 N x 1 N
DFIS500	500 lb x 0.5 lb 250 kg x 0.2 kg 2.5 kN x 2 N

Add "-220V" after the model number if you require 220V operation, e.g. DFIS2-220V.

ACCESSORIES

Adapters	Capacity	Availability	Part No.	Notes
Chisel Point	100 lbf (225 N)	Standard	SPK-FMG-008A	Standard with DFIS2 thru DFIS100
Chisel Point	500 lbf (2.5 kN)	Standard	SPK-FMG-008B	Standard with DFIS200 thru DFIS500
Point Adapter	100 lbf (225 N)	Standard	SPK-FMG-009A	Standard with DFIS2 thru DFIS100
Point Adapter	500 lbf (2.5 kN)	Standard	SPK-FMG-009B	Standard with DFIS200 thru DFIS500
Notch Adapter	100 lbf (225 N)	Standard	SPK-FMG-010A	Standard with DFIS2 thru DFIS100
Notch Adapter	500 lbf (2.5 kN)	Standard	SPK-FMG-010B	Standard with DFIS200 thru DFIS500
Notch Adapter	100 lbf (225 N)	Optional	NC000721	5/8 inch (15mm) diameter
Notch Adapter	500 lbf (2.5 kN)	Optional	NC000725	1.0 inch (25mm) diameter
Flat Adapter	100 lbf (225 N)	Standard	SPK-FMG-011A	Standard with DFIS2 thru DFIS100
Flat Adapter	500 lbf (2.5 kN)	Standard	SPK-FMG-011B	Standard with DFIS200 thru DFIS500
Hook	50 lbf (225 N)	Standard	SPK-FMG-012A	Standard with DFIS2 thru DFIS10
Hook	100 lbf (500 N)	Standard	SPK-FMG-012B	Standard with DFIS50 thru DFIS100
Hook	500 lbf (2/5 kN)	Standard	SPK-FMG-012C	Standard with DFIS200 thru DFIS500
Hook, with Clasp	500 lbf (2.5 kN)	Optional	NC002500	
Extension Rod, #10-32		Standard	SPK-FMG-013A	Standard with DFIS2 thru DFIS100
Extension Rod, 5/16-18		Standard	SPK-FMG-013B	Standard with DFIS200 thru DFIS500
Shaft Adapter, #10-32 to 5/16-18		Standard	SPK-DFIS-014A	Standard with DFIS2 thru DFIS100
Shaft Adapter, 5/16-18 to 5/16-24		Standard	SPK-DFIS-014B	Standard with DFIS200 thru DFIS500
Handles, Pair		Optional	NC000746	6 inch (152mm) length
Handles, Pair		Optional	13046	4 inch (100mm) length
Pistol Grip		Optional	20012-1	
Flat Disc Adapter		Optional	NC000751-1	3.25 x 0.5 inch (83 x 12mm)
Flat Disc Adapter		Optional	NC000751-2	3.25 x 0.25 inch (83 x 6mm)
Rectangular Fixture		Optional	NC000730-1	3.5 inch (89mm) diameter
Rectangular Fixture		Optional	NC000738-1	0.75 inch (19mm) diameter
Knurled Nut, 5/16-18		Optional	NC000857	

Test Stand Gauge Adapter Kits	Availability	Part No.	Notes
MT Series	Optional		
LTS Series	Optional	LTCK-2	Standard with Test Stand
LTC Series	Optional	LTCK-2	Standard with Test Stand
HTC Series	Optional	HTCK-1	
LTCM-6 Series	Optional	SPK-FM200-015	
LTCM-6E Series	Optional	SPK-FM200-015	
TCM201Series	Optional	SPK-FM200-015	Standard with Test Stand
TCM200 Series	Optional	SPK-FM200-015	Standard with Test Stand
LFPLUS Series	Optional	SPK/LFM/0004	Can be supplied with Test Stand

Application Software	Availability	Part No.	Notes
NEXYGEN GAUGE Software	Optional	40/07XX	

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