

# 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

### 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



*DFIS with LTCM-6 Series Motorized Test Stand*

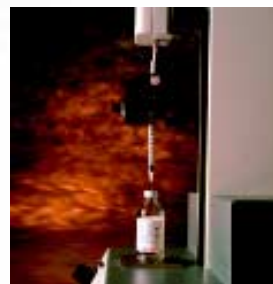
**SPECIFICATION**  
SS-FM-3112-0101  
December 2000



*Pharmaceuticals*



*Electronics*



*Medical Device*

### INTERNET

[www.ametek.com](http://www.ametek.com)  
[www.chatillon.com](http://www.chatillon.com)  
[www.lloyd-instruments.co.uk](http://www.lloyd-instruments.co.uk)

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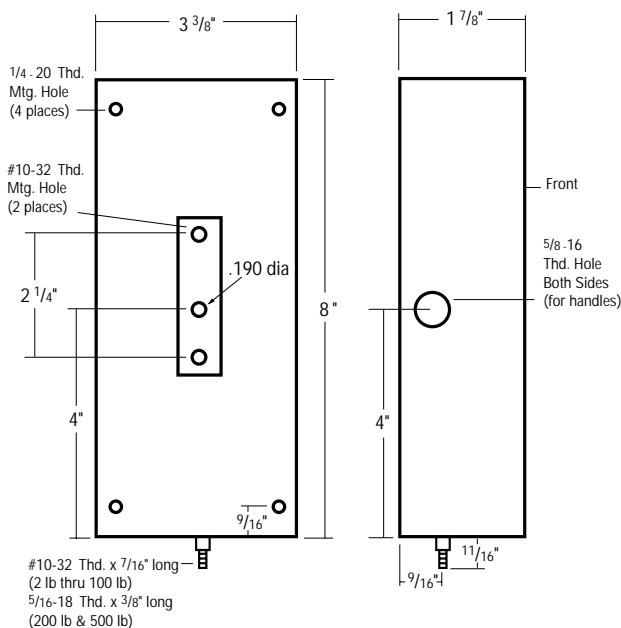
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## ORDERING INFORMATION

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
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.

## DIMENSIONS



## STANDARD ACCESSORIES

Part No.

Carrying Case	SPK-DFIS-021
Extension Rod, DFIS2 - DFIS100	SPK-FMG-013A
Extension Rod, DFIS200 - DFIS500	SPK-FMG-013B
Chisel Point, DFIS2 - DFIS100	SPK-FMG-008A
Chisel Point, DFIS200 - DFIS500	SPK-FMG-008B
Point Adapter, DFIS2 - DFIS100	SPK-FMG-009A
Point Adapter, DFIS200 - DFIS500	SPK-FMG-009B
Notch Adapter, DFIS2 - DFIS100	SPK-FMG-010A
Notch Adapter, DFIS200 - DFIS500	SPK-FMG-010B
Flat Adapter, DFIS2 - DFIS100	SPK-FMG-011A
Flat Adapter, DFIS200 - DFIS500	SPK-FMG-011B
Hook, DFIS2 - DFIS10	SPK-FMG-012A
Hook, DFIS50 - DFIS100	SPK-FMG-012B
Hook, DFIS200 - DFIS500	SPK-FMG-012C
Battery Charger 115V	SPK-FMG-016A
Battery Charger 220V	SPK-FMG-016B
Test Stand Adapter Kits	
TCM201 Test Stands	NC000985
TCD200 Test Stands	NC000985
LTS Test Stands	LTCK-2
LTC Test Stands	LTCK-2
HTC Test Stands	HTCK-6

Request document PS-FM-3111 for a complete Parts List.

# AMETEK

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### Distributed By

**ISO 9001  
Manufacturer**