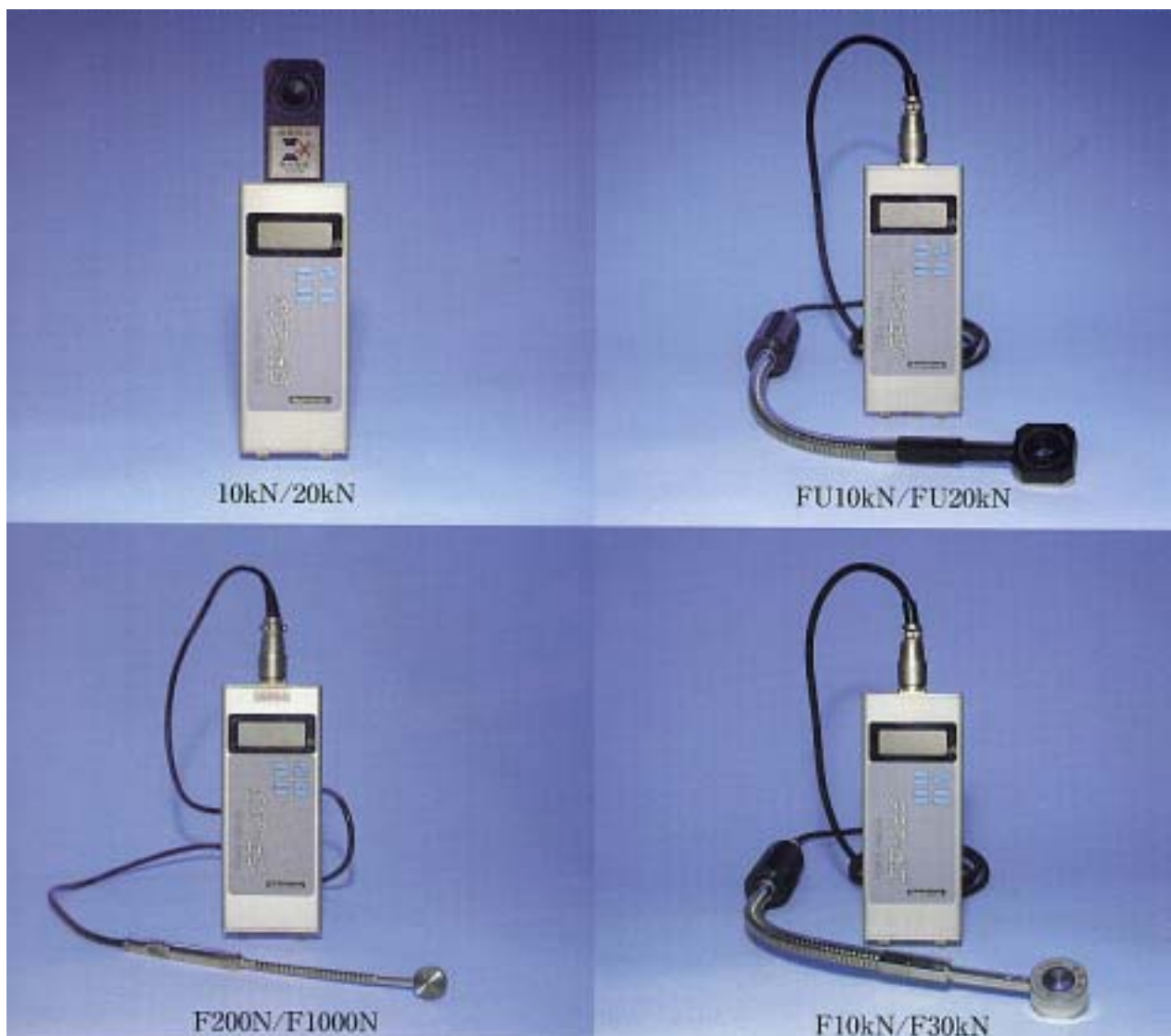


## *SP - 255 SERIES* DIGITAL WELD FORCE GAUGE

FOR GENERAL RESISTANCE WELD



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**Outline:**

The model SP-255 is a handy type digital welding force gauge which can measure weld force applied between electrodes that is one of the three important conditions for the spot welding. The model measures the force applied and displays data on LCD by using high accurate sensor.

**Features:**

- (1) Measuring forces are digitally displayed successively.
- (2) To ensure accuracy, measured value is displayed per every half second based on the average value of sampling in 64times/sec.
- (3) "HOLD" function allows any measured value to hold on in the display.
- (4) The unit can memorize maximum load during measurement and its value is displayed after measurement.
- (5) Auto-Zero reset function for easy operation without making zero adjustment.
- (6) Dry batteries (UM-3x2) are used for power source which support easy handling.
- (7) Auto-power off function for saving power consumption.
- (8) Alert of battery replacement is indicated in the display.

**Type:**

Fixed Type	SP-255-	10kN, 20kN	Closed and sealed hydraulic system with insulation, Sensor is integral with display section.
FU Type	SP-255-	FU10kN, FU20kN	Closed and sealed hydraulic system with insulation, Flexible long neck type
F Type	SP-255-	F200N, F1000N, F10kN, F30kN, F50kN	Direct load cell sensor system without insulation, Flexible long neck type

**Specifications:**

Item		Specificaitons								
Measurement display		Digital, successive (with "HOLD", "PEAK MEMORY " FUNCTION)								
Measured data/Accuracy		Static force (Ps) / ± 1% of full scale								
Limit force		120% of rated force								
Power source		Dry battery x 2 (UM-3)								
Battery life		8 hours & longer (Alkaline battery, continuous use)								
Operating Temp.		5 ~ 40								
Accessories		Carrying case / Instruction manual / Test report								
Type		Fixed type		FU type		F tyoe				
Model No.	SP - 255 -	10kN	20kN	FU10kN	FU20kN	F200N	F1000N	F10kN	F30kN	F50kN
Measuring range		1.0~10kN	2.0~20kN	1.0~10kN	2.0~20kN	20~200N	100~1000N	1.0~10kN	3.0~30kN	5.0~50kN
Minimum force	kN	0.01	0.1	0.01	0.1	1N	1N	0.01	0.1	0.1
	kgf (Approx.)	1	10	1	10	0.1	0.1	1	10	10
Body	L x W x T (mm)	262x68x36			195x68x36					
	T x W x L (mm)	20x38x80								
	T x W x L (mm)				18x(36x36)x470					
	T x x L (mm)				9.5x20x198		18x34x470	21x36x472	22x37x473	
Cable length				1.5m	1.5m	1.0m	1.0m	1.5m	1.5m	1.5m
Weight (Body+Sensor)		780g	780g	1040g	1040g	490g	490g	980g	1000g	1010g
Weight (Incl. Case & Acc.)		1400g	1400g	2000g	2000g	1150g	1150g	1850g	1870g	1880g

**Option:**

- Analog Output: 2.0V at rated force

\* F30kN model: Shape of sensor is different from the picture.

-- Appearance and specifications are subject to change for improvement without notice.--

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