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## Item # SK 400, SK 400 Process Monitoring System

Superflex Sensors fit into an 8mm hole and can be manually adjusted to pick up the best signal. They can also be easily removed and replaced.

Diskflex sensors are significant less expensive than the Superflex sensors and are epoxied into areas for best signal pickup. They have been used in wedges, backing plates, feed stops, and even embedded into tool holders. Many sizes are available from 8.9mm to 50mm.

The X-flex sensor is a strain sensor and is usually attached to the frame of a machine to protect the machine from an overload condition. The surface strain (tension or compression) is directly related to machine load, for example, on presses.

### Specifications

<b>Width without Yoke</b>	230 mm
<b>Height without Yoke</b>	165 mm
<b>Depth without Yoke</b>	60 mm
<b>Data Ports</b>	Ethernet serial RS-232 Teleservice USB
<b>Modular Software</b>	Y
<b>On Board PC</b>	N
<b>Digital Inputs</b>	5
<b>Digital Output</b>	5
<b>Sensor Inputs</b>	Up to 16
<b>Monitor</b>	7 inch (in) TFT color touch-screen with high resolution

<b>DC Supply Voltage</b>	24 V
<b>Supply Power</b>	30 W
<b>Weight</b>	3.0 kg
<b>Mounting Options</b>	Floor pedestal Panel mount Swivel Yoke
<b>Monitoring Functions</b>	Absolute force measurement Analyzes process stability and monitoring quality DMI Die Match Indicator for thread rollers Mandon® reporting system Mandonic auto enveloping system New intelligent auto start feature after machine stop Part data memory (Set-up recall) Press set-up assistance SKPuzzlemaster expert monitoring programs for special types of errors and forming operations Tool protection Trending stop/go chart
<b>Technical Features</b>	EMR-proof, ergonomically designed flat enclosure Machine data collection networkable for machine data collection Part counters for job size, tool life, Unattended production runs with Eco-Stop and SPC intervals SKTelemasfer for teleservice Sorting and batching logics
<b>Technical Data</b>	Crank angle decoder option Data back-up (network or USB) High output digital signal amps Powerful digital signal analysis processor RFID controlled user access
<b>Features</b>	BDE Outputs including cycle and good part pulses Cockpit Dashboard with multifunction displays Digital In/Out Logic DSP Based System Mandon Technology- Suggests operational improvement to the operator Mandonic automatic enveloping system Multiple Counters Optional features for specific user needs Press Frame Monitoring Production Monitoring Option

RFID User Access  
Simple to Operate

**Applications**

Metal forming machines  
Stamping

**In-Tool Force Monitoring Detects**

Broken Stripper Plates  
Cracked Dies  
Forming Defects  
Loose Tooling  
Punch Breakage  
Rising/Pulled Slugs  
Scrap Build-up  
Small Chips  
Transfer Issues  
Worn Tooling