

Integrated High Performance Sensor

Highly responsive sensors custom fit for even the most challenging crimp force monitoring applications

SenFit™ Sensors Series



SenFit Ram Adapter Models

Crimp Force Monitoring



Monitoring your wire crimping process and knowing when manufacturing conditions are changing is critical in detecting errors, and eliminating unnecessary scrap.



Optimizes Crimp Force Monitor Performance

Performance

- 10x the sensitivity of traditional force sensors
- Proven effective in small gauge/low force applications where traditional force sensors fail
- Specifically designed to optimize sensor performance by eliminating shunting effect
- Improved signal resolution and repeatability over traditional force sensors ensures unsurpassed crimp force monitor performance

Integration

- Simple installation – each sensor is designed as a direct replacement for an existing press component
- Available for most press models

Reliability

- Designed to withstand over-range impact forces, eliminating the typical failure modes of traditional force sensors
- High flex sensor cable ensures minimum wear and maintenance related issues
- Maintenance free operation. Sensor does not require periodic re-torque like traditional force sensors

Compatibility

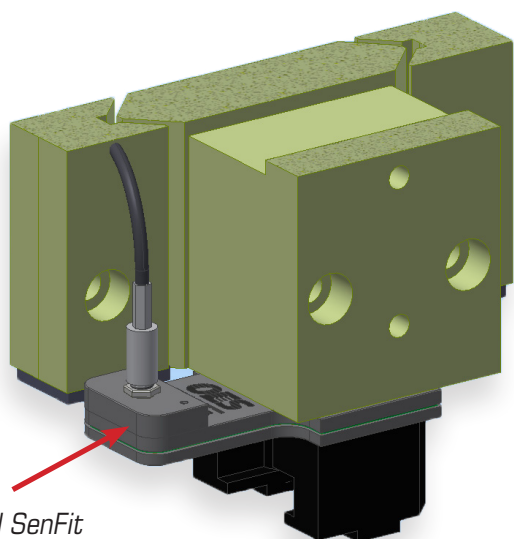
- Electrically compatible with most crimp force monitor systems
- Utilizes IEPE signal interface



SenFit™ Sensors

High Performance and Reliability

- Compression force during the crimping process is exerted dynamically through the PBT sensing element and converted into a high resolution electrical output signal



Typical SenFit sensor installation

Crimp Force Monitors

SenFit sensors interface with OES's crimp force monitors

FORCEWorx



FORCEView



Sensitivity range	2.2 to 22.0	mV/KgF
Measurement Range (compression)	226 to 2268	KgF
Absolute maximum force	4536	Kg
Frequency range	10	KHz
Temperature Range (Operating)	-10 to +60	°C
Excitation Voltage	20-30	VDC
Constant Current Excitation	2-20	mA
Output Bias Voltage	4-8	VDC
Electrical Connector	SMB Coaxial Jack	type
Size	machine specific	
Weight	machine specific	

Developed and patented by OES to optimize crimp force monitor performance and improve quality for the wire processing industry

About OES Technologies

Since 1979, OES has provided world-leading manufacturers with process monitoring and control solutions. OES's powerful wire crimp analysis technology is made available across their *ForceView* and *ForceWorx* product lines. The *Exceed* QPM System, along with their *WireScan* Inspection Systems, empowers wire processors with 100% verification and traceability of their complete production cycle. OES also offers *SenFit* sensors for small gauge wire crimping, *WireChop* to destroy defective parts and the *Examiner* Kit for complete press analysis.



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