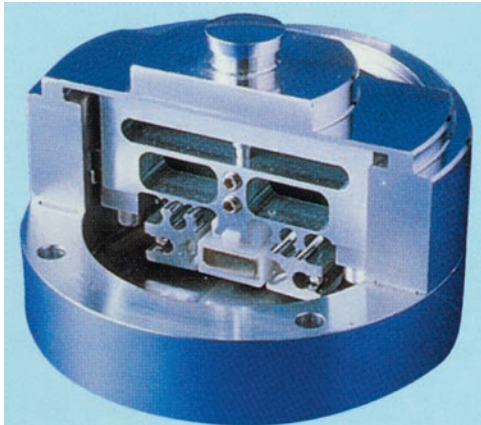


# Component Specifications

## Intelligent Digital Load Cell — IDL-F



### TECHNICAL DATA

Nominal Full Load (Kg)	30	90	180	300	600	1500
Measuring Range (Kg)	30	60	150	300	600	1500
Preload (Kg)	0	30	30	0	0	0
Resolution (Internal)	1:1,000,000					
Repeatability	0.01% max.					
Hysteresis	0.02% max.					
Drift	0.05% max.					
Temperature Range	-10°C to +40°C					
Temperature Drift	(for OIML CL III)					
Span	0.02% max.					
Zero	0.05% max.					
Storage Temperature	-30°C to +70°C					
Calibration License	OIML CL III					
Shock Limit without Damage	50 G					
Preload Range	0% to 50%					
Interface	RS 422 Duplex					
Damping	Adjustable from 30ms to 2.5s					
Power	120VAC (8VDC Internal)					
Load Cell Enclosure	IP67 (NEMA 4)					

**Intelligent** – On-board microprocessor conditions the raw data and converts the signal for serial communications

**Digital** – Single vibrating wire technology with internal temperature sensing and compensation

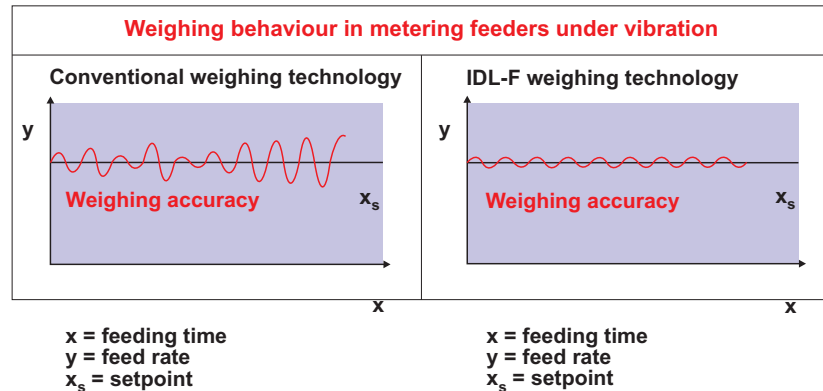
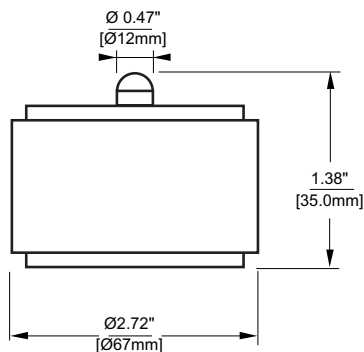
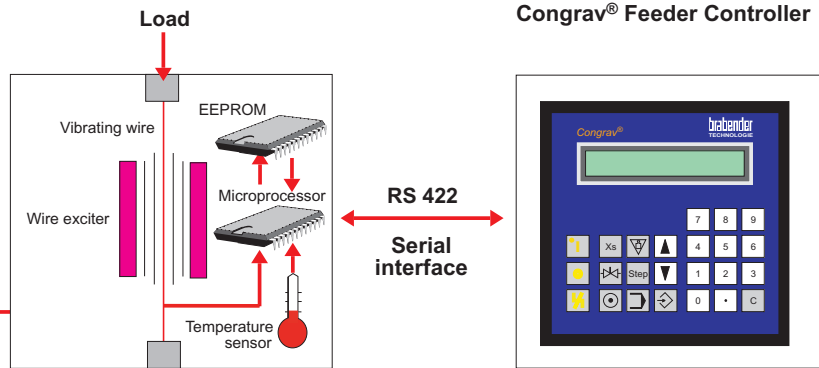
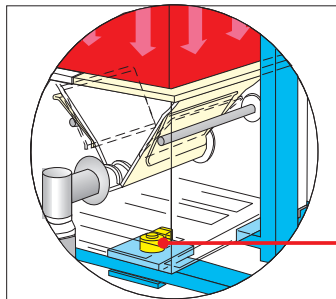
**Filter** – Electronic attenuation

Includes a scale-mounted junction box for the power and communications connections (NEMA 4, IP65).

For more information also see:

[Digital and Analog Scales - 1300-C21-9](#)

### Application Example: Screw Feeder with IDL-F



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**Head Office:**  
6500 Kestrel Road  
Mississauga, Ontario  
Canada, L5T 1Z6

Telephone: (905) 670-2933  
Toll Free: (888) 284-4574  
Facsimile: (905) 670-2557  
Email: [sales@brabenderti.com](mailto:sales@brabenderti.com)