



COMPRESSION LOAD CELL TYPE 387

APPLICATIONS:

The compression load cell **Type 387** can be used in small, medium loading capacity weighing systems.

Some applications are:

- Control weighing systems
- Production machine
- Tension Systems
- Control weighing systems on lifting machine, etc
- Test machine

MAIN FEATURES:

- Water proof (IP68)
- Stainless steel



NOMINAL LOAD: Kg: 100-200-500-1000-1500-2500

SPECIFICATION ACCORDING TO VDI/VDE 2637			
METROLOGICAL CHARACTERISTICS			
Par.	Un.		
COMBINED ERROR	Fcomb	% Ln	0,150
NOMINAL LOAD	Ln	Kg	100÷2500
INITIAL LOAD	Lp	% Ln	20
MAXIMUM LOAD	Ll	% Ln	130
NON-LINEARITY	Flin	% Ln	0,05
HISTERESIS ERROR	Fu	% Ln	0,04
REPEATABILITY ERROR	Fv	% Ln	0,03
CREEP-30 MINUTES	Fcr	% Ln	0,05
NOMINAL TEMPERATURE RANGE	Btn	°C	-10+40
ZERO TEMPERATURE DRIFT (OVER 10 °C)	TK0	% Cn	0,1
OUTPUT TEMPERATURE DRIFT (OVER 10 °C)	TKC	% Cn	0,2
THERMAL GRADIENT		°K/h	<5
ELECTRICAL DATA			
NOMINAL OUTPUT	Cn	mV/V	2
NOMINAL OUTPUT TOLERANCE	Dc	±% Cn	0,5
NOMINAL SUPPLY VOLTAGE	Bsu	V	1±10
MAXIMUM SUPPLY VOLTAGE	Usmax	V	12
INPUT RESISTANCE	Re	Ω	380±10%
OUTPUT RESISTANCE	Ra	Ω	350±1%
INSULATION RESISTANCE @ 20V	Ris	MΩ	>2000
ZERO OUTPUT TOLERANCE	Do	±% Cn	1
MECHANICAL DATA			
BREAKING LOAD	Ld	% Ln	>250
MAXIMUM SIDE LOAD	Llq	% Ln	20%
DEFLECTION	hn	mm	<0,3
CABLE LENGTH		m	3
WEIGHT		Kg	
ENVIRONMENTAL CONDITIONS			
WORKING TEMPERATURE RANGE	Btn	°C	-40+80
STORAGE TEMPERATURE RANGE	Bts	°C	-40+80
HOUSING PROTECTION			IP 66/68

SUBJECT TO CHANGE WITHOUT NOTICE

CELMi s.r.l.

Tel +39-0245712209

Largo Brugnatelli 13/16

Fax +39-0245705836

20090 BUCCINASCO (MI) ITALY

Internet: www.celmi.com