



QUATTRO CEL

CONVERTER FOR LOAD CELLS



SPECIFICATIONS

INPUT	
Number of load cells	1-2-3-4 load cells (350 Ω)
Sensitivity	0,8mV/V... 3mV/V (selectable by welding)
Input voltage	10V/5V
Maximum input current	130mA
MULTIRANGE	
Selectable, high stability. 3 Steps for the TARE and gain range:	
Sliding Microswitch MODE	2 Positions
THICK Rotating Microswitch	16 Steps
FINE Adjustable multiturn	15 turns
SPAN Minimum field of use of the cell	40% F.e.
ZERO TARE operating range	ADD 100% F.e. REST -57% F.e.
ENVIRONMENTAL	
Operating temperature range	-10/+60°C
Storage temperature	-40/+80°C
Warm-up time	5 minutes
Temperature coefficient	50 ppm/°C
POWER SUPPLY	
Double and automatic	RANGE
115/230VAC (automatic)	100.. 250VAC/VDC
24VDC (big range)	20.. 30VDC
Maximum consumption	2,2W
PRECISION	
Maximum global error	0,015%
Thermal drift	Current: 0,3µA/°C Tension: 0,1mV/°C
OUTPUT	
<i>Response time (10 ... 90%) selectable by microswitch in 4 levels</i>	
CURRENT 4/20mA, 0/20mA, 0/5mA, ...	
Capacity de Service load	= <700Ω
Protected against polarity inversion	
Response time	0,02.. 0,5seg
Maximum frequency	10Hz
TENSION 0/10V, -10/+10V, 0/5V	
Capacity de Service load	> =1K
Short circuit protected	
Response time	0,001.. 0,5seg
Maximum frequency	200Hz

APPLICATIONS

Dosing and weighing in hopper weighing, silos...

Weight and control on conveyor belts.

Force control in presses and testing machines.

Control of forces in cylinders and pneumatic actuators.

Tensión regulation on transfer bands.

FEATURES

Universal converter for load load cells, in field box format, with box up to 4 load cells.

You can connect 1, 2, 3 or 4 load load cells.

It allows to absorb (subtract) or add a wide range of tare with great precision and stability.

It has a filter selectable in 4 levels to stabilize the output signal depending on each application.

It is protected by complying with EMC standards for industrial application.

The connection is made using coded plug-in terminals, which facilitate the rapid exchange of modules without rewiring, and protect against mistakes.

STRUCTURE

Protection	IP65
Material	ABS
Combustibility class	HB/1,6 según UL94
Mounting box	Sobre Pared, 4 agujeros
<i>Mounting holes outside the enclosure no protection decrease, IP protection maintained</i>	
cable gland	PG7 Polyamide
Box dimensions	120x120x57,5mm
Fitting	+21,5mm
Conexión bornas enchufables	= <1,5mm2 16AWG 250V/8A



Reference	Description	#Code
QUATTRO	Forceflex with junction box	810002