Ideal for all industrial applications where it is necessary to know the load distribution on the different load cells.

Able to monitor all load cells and generate alarms due to excessive cell signal drift, missing connections, failure of one of the cells, unbalanced weight distribution.

The emulative control allows the continuity of work of the weighing system even in case of failure on one of the load cells, until the replacement of the same.

A particular algorithm allows to equalize the angles of the scale with just one passage of the sample weight

TECHNICAL CHARACTERISTICS UWT 6008/PROFINET

Transducers power supply:	5 Vdc (230 mA max.)
Measuring range:	-3.9 ÷ +3.9 mV/V
Input sensitivity:	Min. 0.02 microV
Linearity:	< 0.01% FS
Thermal drift:	< 0.001% FS/ °C
Display:	128 x 64-pixel graphic LCD
A/D converter:	24 bits
Internal resolution:	> of 16,000,000 points
Signal capture frequency:	12,5 ÷ 300 Hz
Displayable resolution:	999,999 divisions viewable on the net weight
Divisions value (selectable):	x1, x2, x5, x10, x20, x50
Settable decimals:	0.0 ; 0.00 ; 0.000 ; 0.0000
Filter:	selectable 5 ÷ 250 Hz
Device power supply:	12-24 Vdc ± 15% - power consumption 4 W
Operating temperature:	-10/+ 50°C (max. humidity: 85% without condensation)
Storage temperature:	-20/+70°C
Logical outputs:	2 relays, Max. 48 Vac/Vdc, 2A each
Logical inputs:	2 opto-isolated at 12/24 VDC PNP (external power supply)
Serial ports:	1 USB device + 1 RS232C + 1 RS485
Optional analog output:	16-bit opto-isolated Voltage: 0 ÷ 5/10 V (min. R: 10 K Ohm), Current: 0/4 ÷ 20 mA (max. R: 300 Ohm).
Analog output linearity:	< 0,02% FS
Analog output thermal drift:	0,001% FS / °C
Microcontroller:	ARM Cortex M0+ at 32 bits, 256KB Flash reprogrammable on-board from USB
Data memory:	64 Kbytes expandable up to 1024 Kbytes
Compliance with regulations:	EN61000-6-2, EN61000-6-3 for EMC; EN61010-1 for Electrical Safety, EN45501 for metrology
Dimensions:	100 x 75 x 110 mm (L x H x P)

STEKON

LOADCELLS | PRESSURE SENSORS | ELECTRONICS

100

105

4.5

35.6

Pavone Sistemi
pesatura a elettronica industriale

UWT 6008

24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

SET
FUN
0
PRG

1 2 3 4 5 6 7 8 9 10   USB   Field Bus

75

99