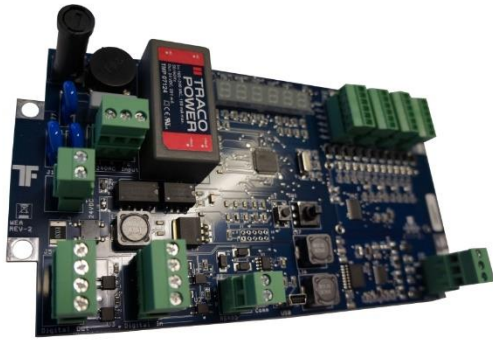


# WEA-BASE

## Transmitter



- **4 x 24bit high speed load cell channels**
- **Isolated Analogue Output (0 -20mA, 4-20mA, 0-10V, 2-10V)**
- **Serial RS485 and USB Interface**
- **Relay outputs**
- **Data sheet and deadweight calibration**

WEA-Base is a high-performance transmitter designed for strain gauge applications. WEA-Base has 4 independent input channels and performs continuous error detection on each channel. WEA-Base is fitted with a small service display for easy setup and diagnostic and has an error indication for each channel.

WEA-Base converts the output from the connected strain gauge transducers into a very stable digital and/or analogue signal suitable for PC or PLC based control systems.

WEA-Base is standard delivered in aluminium housing with an IP66 rating. WEA-Base can be mounted directly at the weighing point, i.e. under tank, silo, platform etc. This way the weighing signal is converted as close to the load cells as possible. The result is a signal, which is noise-filtered and can be transmitted over long distances.

## TECHNICAL DATA

### Performance:

Resolution	24bit
Conversion Speed	600Hz
Full Range	± 6mV/V
Number of load cells	Max. 12x350 ohm
Load cell channels	4
Linearity	<0,01%
Calibration	Data sheet or Dead weight

### Power supply:

Voltage	24VDC ± 10% or 100-240 VAC 50/60Hz
Consumpsion	5 W
Isolation	1000V

### Analogue output:

Type	Isolated 16bit
Voltage / load	0-10V, 2-10V / > 10000 ohm
Current / load	0 -20mA, 4-20mA / <500 ohm

### Digital IO:

Digital input	2pcs. 24VDC / 6mA
Relay output	2pcs. NO - Max 250 VAC + VDC/200mA

### Communication interface:

Serial port	1pcs. RS485
USB	1pcs. Device 2.0

### Mechanical data:

Operating Temperature	-10 °C - +40 °C
Storage Temperature	-30 °C - +80 °C
IP Level	IP66
Dimension (LxWxD)	Aluminium (L122xW220xH80mm)

### Options:

Wea-Base-RF(LxWxD)	Stainless steel (AISI 316) housing. (L250xW210xD80)
Wea-Base-OP1(LxWxD)	Remote display in stainless steel IP65 - Red 75mm digits (L716xW250xD100mm)
Wea-Base-OP2	Remote display in stainless steel IP65 – Red 57mm digits (L365xW130xD82)