



## UNIPRO<sup>V</sup> Belt Weighing Transmitter

The latest generation UNIPRO<sup>®</sup> transmitter has been designed for flexibility. The MMI comprises OLED graphics display and membrane keypad.

### Field Bus connectivity

UNIPRO supports the majority of Field Buses used in Industry. These include:

- Profibus<sup>®</sup> PA
- DeviceNet<sup>®</sup>
- EtherNet/IP
- Modbus TCP
- Profibus<sup>®</sup> DP
- Modbus<sup>®</sup> RTU
- ControlNet<sup>®</sup>
- ProfiNet-IO<sup>®</sup>



## Specifications

Power Supply	Instrumentation Quality, 90 to 240 VAC, 50/60 Hz at 40 VA.
--------------	--

### CPU & Load cell board

Load Cell Amplifier Interface	Provides +5VDC excitation and signal amplification for strain gauge based Load Cells. Jumper configurable for 6 wire and 4 wire type load cells.
Variable Inputs	1 x 0 - 20 mVDC - input from load cell(s). 1 x 0 - 10 kHz input from PT-500/PT-500LS tachometer
Analogue Output	1 x (Isolated) 0/4 - 20 mA (1kΩ max.) - programmable for either Rate or Control.
Digital Input	1 x (Optically isolated) nominal 10-40 VDC @ 10 mA with 24 VDC - 30mA excitation supply. - Programmable as to function e.g. Speed sensor replacement, Totaliser reset, Conveyor running etc
Digital Output	1 x Volt free contact (selectable NO or NC) - Nominal 24VDC (50 VDC max) at 500mA. 1 x Solid State relay dry contact (NO) rated at 24 VDC at 80 mA. Either of the above may be programmed to (independently) output any of the available software outputs

### General

Totaliser Output	Up to 90 000 pulses per hour max. The output may be in the form of either: Volt free relay contact rated at 1.0 Ampere at max. 30 VDC (for count rates < 1000 per hour). Solid State relay rated at 120 mA with either 30 VAC or 30 VDC (for higher count rate applications).
Keypad & Display	OLED graphic type display with membrane keypad
Expanded I/O	4 x Expansion I/O slots for any of the standard I/O. Standard I/O include: - Digital Output- volt free dry contact (Normally Closed / Normally Open) rated at 24 VDC, 0.5 Amp. - Digital Output – solid state relay dry contact (Normally Open) rated at 24 VDC/VAC, 80mA - Digital Input - nominal 24VDC (10-40 VDC @ 10mA) optically isolated with nominal 24V/30mA excitation supply. - Isolated Analogue output - 0/4-20 mA into 1kΩ maximum. - Isolated Analogue input (4-20 mA or 0-10 VDC jumper selectable).
Enclosure	Poly-carbonate (standard). Stainless steel & others optional. To IP66 protection
Operating Temperature Range	-20°C to +60° C (Standard)
Storage Temperature Range	-20°C to +60° C
Mass	Approx. 11.0 kg (subject to I/O configuration).