Standard Handheld Display TW-3.0-S

The TW-3.0-S Standard Handheld Display is a modern, slimline, multifunctional load monitoring device which is unique to DLM.

This innovative design is built with the user in mind. It has a large, high quality LCD screen which is optically bonded removing the need for a back light and improving clarity in bright sunlight. For ease of use each handheld can be given a customisable friendly name made visible on the screen to make instant identification possible.

This multi featured high precision unit ensures reliable load readings while also being simple to operate. It can be used in conjunction with any DLM manufactured load cell, just look for the d+ logo on our products.

Features:

- **Connects to a single load cell via cable connection**
- **Ability to customise load cell name**
- **Internal audible alarm (90dB @ 0.1m / 75dB @ 1m)**
- **USB data logging**
- **RS232 serial or 0-5V analogue output**
- **Built in pulse measurement to show speed and distance**
- **Rolling average feature for unsteady loads**
- **High quality optically bonded LCD display to improve clarity in bright sunlight**

Applications:

- Weight indication for any cable load cell fitted with DLM TW3.0 transmitter board
- Speed and distance display to work with Running Line Monitor and Saddlebacks

Available Models

	Type	Description
	**TW-3.0-S-S**	**Standard handheld with alarm output**
	**TW-3.0-S-A**	**Advanced handheld with alarm, USB logging and RS232 output**

	Type	Description
	**TW-3.0-S-A-AO**	**Advanced handheld with additional analogue output**

Specification

Enclosure	Slimline IP67 plastic enclosure
Keypad	Membrane with tactile dome switches
Display	400x240 Transflective LCD
Bridge excitation	2.5VDC
Resolution	5 digits
Keys function	On/off / Tare / Peak hold / Units
Measuring ranges	Kg / Metric Tonnes / US Tons / Kips / kN / lb
Protection	IP67
Battery type	3xAA
Battery life (constant use)	> 150 hours
Operating temperature	-20 to +60C
Measurement rate	4 to 0.03Hz (4 times per second to once per 30seconds)
Serial retransmission	RS232 via USB / Serial convertor. Customisable ASCII string
Analogue Output	0-5VDC via splitter cable from handheld connector
Alarm	Internal alarm (90dB @ 0.1m / 75dB @1m)
Software	RS232 data logging
USB data-logging	Sample rates from 4Hz to 0.03Hz. Stored to micro USB key