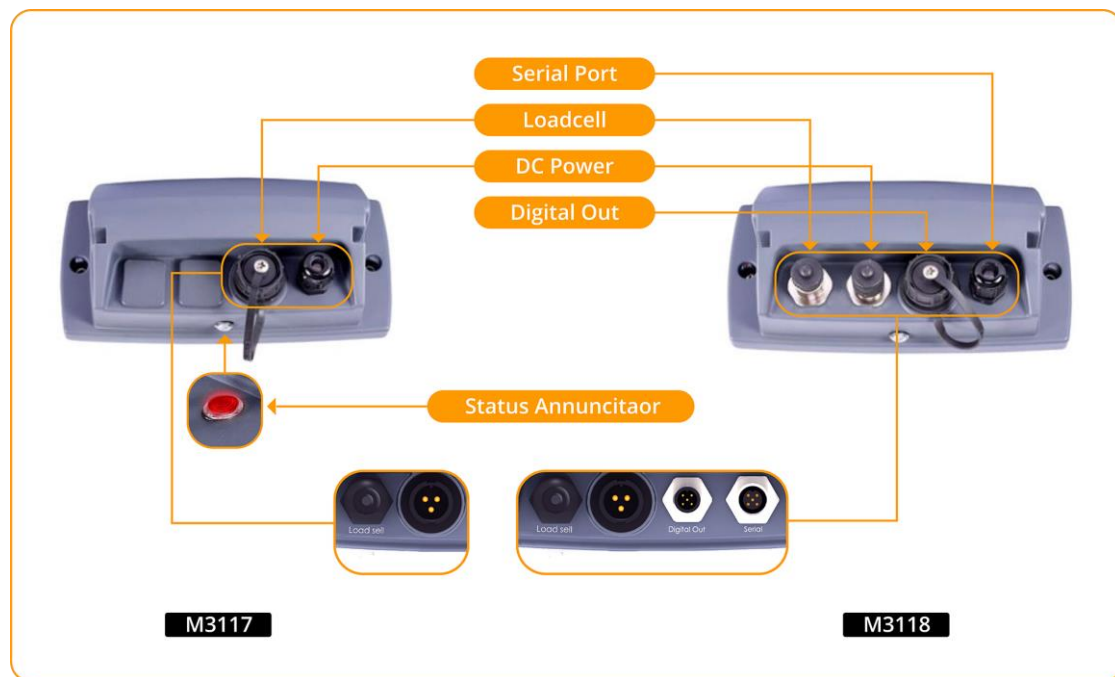


## M3117/ M3118 – IP65 Rechargeable Battery Back with Connectors



- NiMH 2500mAh capacity
  - Support 22VDC to 28VDC power input
  - LED Status Indicator
  - ABS housing IP65
- These R320 Series accessory boots are IP65 NiMH battery backs that make the R320 indicator into a rechargeable device. The features are:
- 10 x NiMH 'AA' cells, 2500mAh capacity total
  - IP65 rated housings: Dust and watertight, increasing reliability and indicator lifetime.
  - Power supply operation is fully automatic, requiring only the connection of a plug-pack power supply to initiate charging.

**M3117** - M3003 IP65 boot with 3 pin quadrant DC power connector, fitted with 12V NiMh 2.5AH, DC Quadrant charger and PG7 loadcell gland to suit R320 or D320.

**M3118** - M3118 is the same as the M3117 but is also fitted with M12 serial and I/O connectors.

The battery charger supports a dual color (Red/Green) LED annunciator to show status.

Status Annunciator	Input Power	Output Power	Charging	Meaning
OFF	Not present	Battery <sup>1</sup>	No	Battery operation
GREEN	Present	Input	No	Ready
RED	Present	Input	Yes	Charging
FLASHING GREEN	Present	Input	No <sup>2</sup>	Fault <sup>3</sup>

Notes:

1. If battery is sufficiently charged.
2. It is necessary to remove then reconnect the input power before further charging will occur.
3. Refer to troubleshooting section for further information.

## Smart Weighing

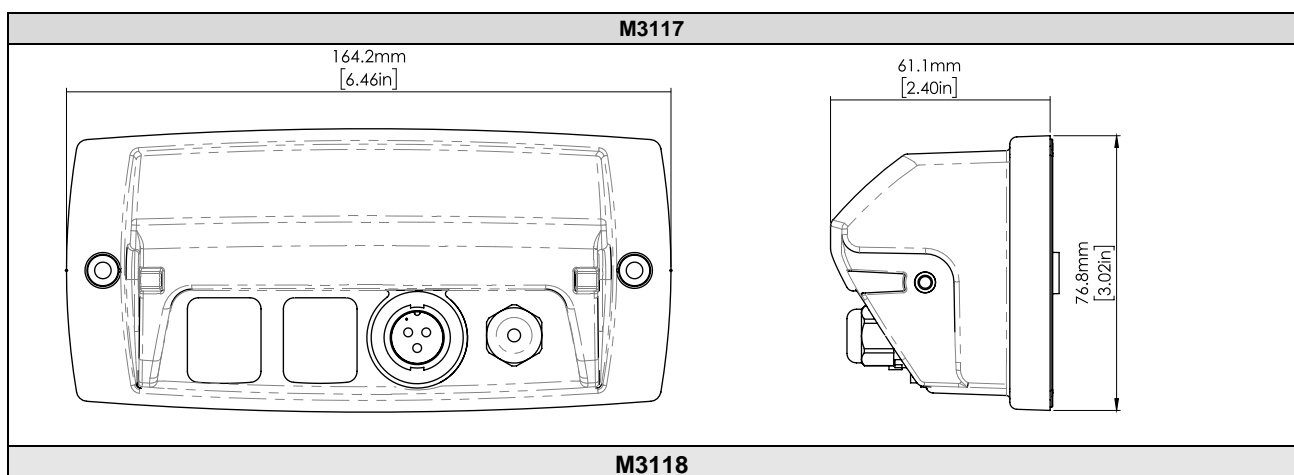


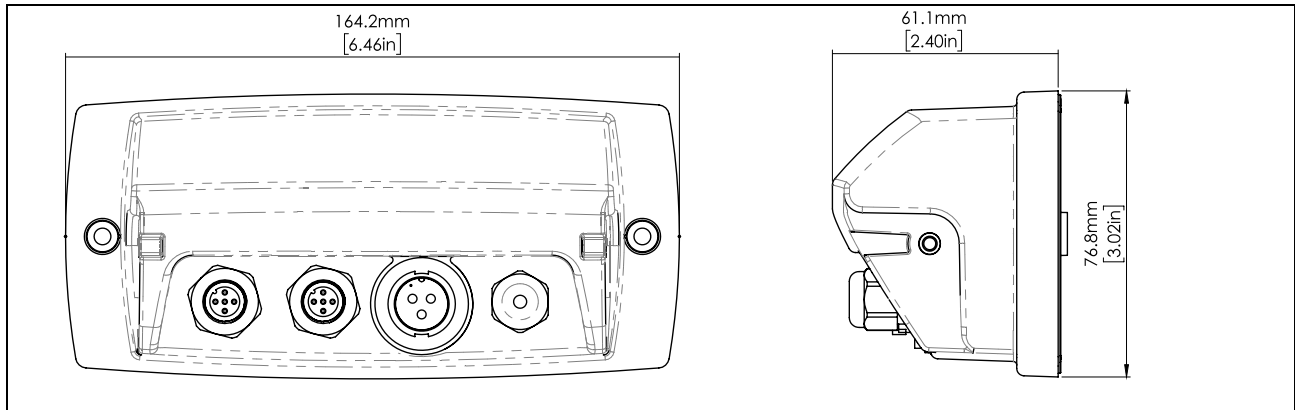
- While the plug-pack supply is disconnected and enough battery charge remains, the charger will automatically supply the output from battery power.
- To protect the battery pack, the charger will automatically disconnect the output when the battery is below a safe level.

... now that's smart weighing

## Specification Table

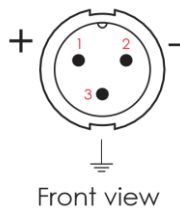
	Battery Pack	
	M3117	M3118
Required power supply	22VDC to 28VDC min. 18W	
Battery	10 cells (12V nominal), ≤2800mAh	
Typical charge time	<4 hours	
Battery life	>300 discharge-charge cycles typical	
Status LED	Dual color (Red/Green)	
Rear Connections	DC power input Loadcell (cable gland)	DC power input Loadcell (cable gland) M12 connection for digital out M12 connection for serial port
Power lead options (purchased separately)	A11004- Plug pack 24VDC 1.25A Waterproof Connector A11005, A11006, A11007, A11008 - Input Plug AU, EU, US, UK	
Accessories	780185 - Internal Charger PCB 780162 - NiMH Battery Pack	
Case Materials	ABS	





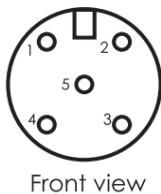
## Connector Pinouts

### LTW DC Power Input Socket: Male (Indicator End)



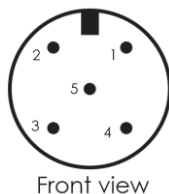
1. DC+	Red
2. DC-	Black or Blue
3. Earth	Green

### M12 Serial Port Plug: Female (Indicator End)



1. DC+ (If Fitted)	Red
2. TXD	Green
3. GND	Black
4. RXD / DTR	White
5. SHIELD	Yellow

### M12 Digital Output Socket: Male (Indicator End)



1. COM+	Red
2. OUT1	Green
3. NC	-
4. OUT2	White
5. NC	-

Specifications are subject to variation for improvement without notice. Illustrations are indications only and variation may be evident between products