Avery Weigh-Tronix

ZM
155 INDICATOR

Indicator and peripherals
for explosion proof
applications

Technical Specification

DESCRIPTION

The ZM155 FM approved indicator is the perfect fit for all applications from simple weighing or filling to advanced applications that utilize one of the ZM200, ZM300, ZM4/5/6 Indicators in the safe area to manage data and display user information.

SPECIFICATIONS

GENERAL

Operating Applications	General weighing, safe area interface, and other applications upon request
Calibration	2-4 point
Units of Measure	lb, kg, configurable (g, oz, ton)
Capacity Selection	1 to 9,999,999
Configurable Settings	AZT, motion and zero range
Internal Resolution	Four million counts max. (internal)
Digital Filtering	Ambient and application filter

USER INTERFACE

Keypad	28 chemical resistant polyester
Operational Keys	On/Off, Clear Function, Reference, OK, Toggle, Info, Scale Select, Zero, Tare, Function, ISO-Test, Print, 0-9, Decimal, ID, x10 Expanded Resolution, B/G Net
Status Annunciators	Bar Graph, Print, Scale Range, WP 1 or 2, B/G Net, Battery Status, Units, MEM, Auto/OPT, Center Zero, and Application Specific
Display	20 mm LCD, 14 segment, 7 digit, plus status symbols, back lit

PHYSICAL

Operating Temperature	Compliance with legal-for-trade requirements 14° to 104° F / -10° to 40° C Up to 85% relative humidity, non-condensing
Enclosure	304 brushed stainless steel IP69K, NEMA type 4X
Weight	5.0 lb / 2.3 kg
Dimensions	*See drawings*

INPUT/OUTPUT

Communications	Comm 1: RS232, RS422, RS485 standard Comm 2: Optional unicom - RS232, RS422, RS485
Circuitry Protection	RFI, EMI, and ESD protection

ELECTRICAL

Power Requirements	Via external power supply or battery
Excitation	2.5 VDC
Analog Signal Input Range	0 mV to 7.5 mV
Analog Signal Sensitivity	0.2 µV/divisions recommended 0.02 µV/divisions minimum for non-legal

OPTIONS

ZM155-PSU-H	Hazardous area AC PSU, 100-240 VAC, 60 Hz
ZM155-PSU-S	Safe area AC PSU, 100-240 VAC, 60 Hz
ZM155-BAT	Battery Pack
ZM155 Charger	Battery charger
ZM155-COM	Communications barrier box
Wall Mount Kit	
Dust Cover	

INGRESS PROTECTION

ZM155	IP69K
ZM155-PSU-H	IP65
ZM155-PSU-S	IP40
ZM155-BAT	IP65 (IP23 when charging port is open)
ZM155-COM	IP40

APPROVALS

Agencies	NTEP - Pending Factory Mutual

ZM155 Indicator:
Hazardous (Classified) Location
Class I, II, III, Division 1, Groups A, B, C, D, E, F, G
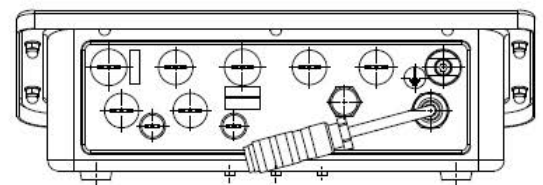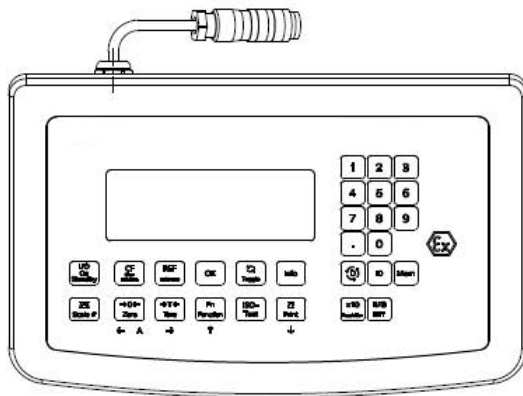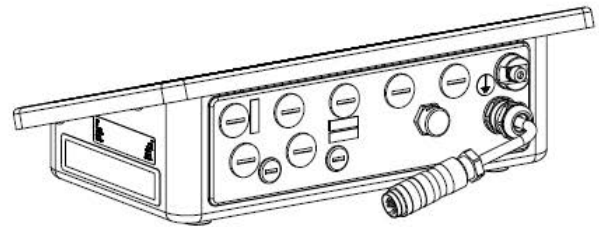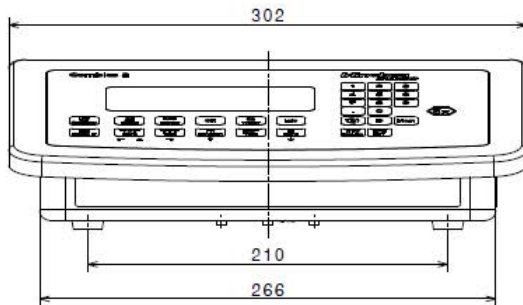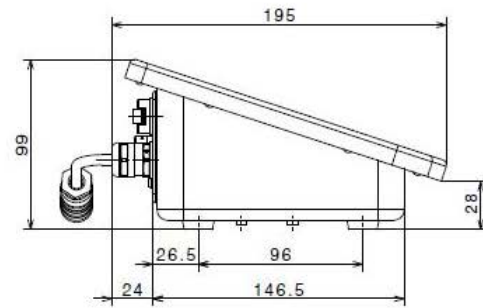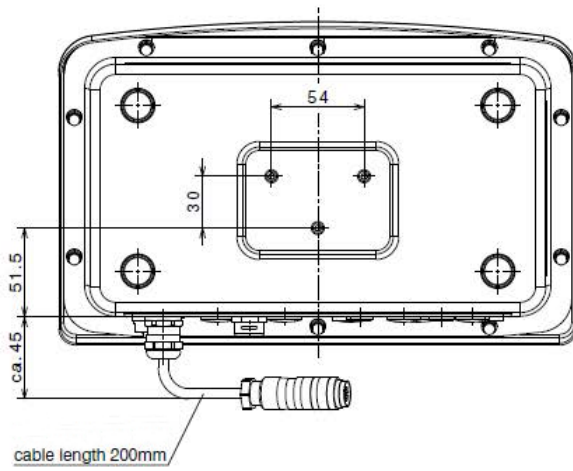Class I, Zone 1, Groups IIA, IIB, IIC
Zone 21

ZM155-PSU-H:
Hazardous (Classified) Location
Class I, II, III, Division 1, Groups A, B, C, D, E ,F, G

ZM155-BAT:
Hazardous (Classified) Location
Class I, II, III, Division 2, Groups A, B, C, D, F, G, T4
Class I, Zone 1, Group IIC
Class II, Zone 20

Note: With reference to the ZM155-BAT, distributing or selling this product in California could subject you to fines or other penalties.

DIMENSIONS

54

30

51.5

ca. 45

cable length 200mm

195

99

28

26.5

96

24

146.5

302

210

266

Avery Weigh-Tronix

www.averyweigh-tronix.com

Avery Weigh-Tronix is an ITW company

ISO 9001