

SHEET FORMAT	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
			Documentation	
A1		IP.005.00.000.KSa	Assembly Drawing	1
			Parts	
A4	1	IP.005.01.001	Actuator Mount	4
A4	2	IP.005.01.002	Back and front side plate	2
A4	3	IP.005.01.003	Force applicator actuator mount	1
A4	4	IP.005.01.004	Left side plate	1
A4	5	IP.005.01.005	Lid cover	1
A4	6	IP.005.01.006	Peltier thermoelectric A.plate	2
A4	7	IP.005.01.007	Right side plate	1
	8		Bottom plate	1
	9		Top plate	1
	10		Upper 240mm plate	2
	11		Camera Mount	1
	12		Load cell bracket part 1	4
	13		load cell bracket part upper	2
	14		load cell bracket part lower	2
	15		Clip for Actuator	3
	16		Human-Machine Interface (HMI) holder	1
	18		Thermo sensor clamp	1
	19		Meat placing plate	1
	20		pH bracket	2
			Standardized and ready made parts	
	21		400mm L bar for Lid	2
	22		Sony IMX708, 12MP Raspberry Pi Camera	1
	23		Load Cell - 5kg, Straight Bar (TAL220B)	2

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH:
TOLERANCES:
LINEAR:
ANGULAR:

FINISH:

DEBURR AND
BREAK SHARP
EDGES

DO NOT SCALE DRAWING

REVISION

Riga Technical University

DRAWN S. M Jayawickrama

CHK'D Aleksejs Tatarinovs

CHK'D Hermanis Sorokins

APP'D Juris Dehtjars

Q.A Nicole Burtnova

TITLE:
Specification - MULTI-PARAMETER DESKTOP
DEVICE FOR MEAT FRESHNESS
AND QUALITY ASSESSMENT

DWG NO.

IP.005.00.000

A4

SCALE:1:1

SHEET 1 OF 1

SHEET FORMAT	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
	23		240mm Side L bar	2
	24		LED batten light 6500K	2
	25		240mm side L bar for lid	2
	26		Coolmay QM3G 7" PLC HMI	1
	27		Stepper Motor TEC1-12706 Thermoelectric Peltier Module	2
	28		Noctua NF-A4x10 FLX FAN 40x40x7mm	4
	30		DS18B20 Digital Temperature Sensor	1
	32		uxCell 10mm IDx30mm ODx15mm Rubber spacers	2
	33		SUP-pH6002 Glass pH electrode	2
	34		UBE1000-18GM40-SE2-V1 Ultrasonic	2
	35		TF 250 Oil-Resistant Leveling Mount	4
			Fasteners	
	36		W-5021 Three-Hole Flat Angle Plate	20
	37		B18.2.3.2M - Formed hex screw, M5 x 0.8 x 8 --8WN	10
	38		B18.2.4.5M - Hex jam nut, M5 x 0.8 --D-N	31
	39		B18.2.3.1M - Hex cap screw, M5 x 0.8 x 20 --20N	5
	40		B18.2.4.1M - Hex nut, Style 1, M5 x 0.8 --D-N	5

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH:
TOLERANCES:
LINEAR:
ANGULAR:

FINISH:

DEBURR AND
BREAK SHARP
EDGES

DO NOT SCALE DRAWING

REVISION

Riga Technical University

DRAWN S. M Jayawickrama

CHK'D Aleksejs Tatarinovs

CHK'D Hermanis Sorokins

APP'D Juris Dzehjars

Q.A. Nicole Burkovaja

TITLE:

Specification - MULTI-PARAMETER DESKTOP
DEVICE FOR MEAT FRESHNESS
AND QUALITY ASSESSMENT

DWG NO.

IP.005.00.000

A4

MATERIAL:

WEIGHT:

SCALE:1:1

SHEET 1 OF 1

F

F

E

E

D

D

C

C

B

B

A

A

SHEET FORMAT	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
	41		B18.2.3.2M - Formed hex screw, M6 x 1.0 x 12 -- 12WN	62
	42		B18.2.4.5M - Hex jam nut, M6 x 1 -- D-N	59
	43		B18.2.4.1M - Hex nut, Style 1, M2 x 0.4 --D-N	4
	44		ISO 7380 - M5 x 20 - 20N	4
	45		B18.2.3.2M - Formed hex screw, M5 x 0.8 x 12 -- 12WN	20
	46		B18.2.4.5M - Hex jam nut, M20 x 2.5 --W-N	4
	47		50*35mm solid Brass Fix Pin Butt Hinge	6

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH:
TOLERANCES:
LINEAR:
ANGULAR:

FINISH:

DEBURR AND
BREAK SHARP
EDGES

DO NOT SCALE DRAWING

REVISION

Riga Technical University

DRAWN S. M Jayawickrama

CHK'D Aleksejs Tatarinovs

CHK'D Hermanis Sorokins

APP'D Juris Dethjars

Q.A. Burtovaņa Nicole

TITLE:

Specification - MULTI-PARAMETER DESKTOP
DEVICE FOR MEAT FRESHNESS
AND QUALITY ASSESMEN

DWG NO.

IP.005.00.000

A4

SCALE:1:1

SHEET 1 OF 1