 A Quality Vision International Company



ITACA FlexGauge T-16/T-22

The Itaca FlexGauge offers an industrialized and rugged alternative to custom gauging solutions. Specially tailored for small precision parts such as gears, valve bodies, c-v joints, racks and ballscrews.

With the stability of the granite structure and air bearing motion system, FlexGauge is equally at home on the manufacturing floor or in the quality control laboratory.

- Single or Dual Probe Configuration
- Touch-Trigger or Scanning Probe Options
- Shop Floor Friendly with Built-In Thermal Compensation
- Flexible Software

| | X | Y | Z |
|---------------------|-----|-----|-----|
| Travel (mm) of T-16 | 160 | 100 | 160 |
| Travel (mm) of T-22 | 220 | 160 | 220 |

High Accuracy Shop Floor 3D Gauging Solution



Metrology Software:

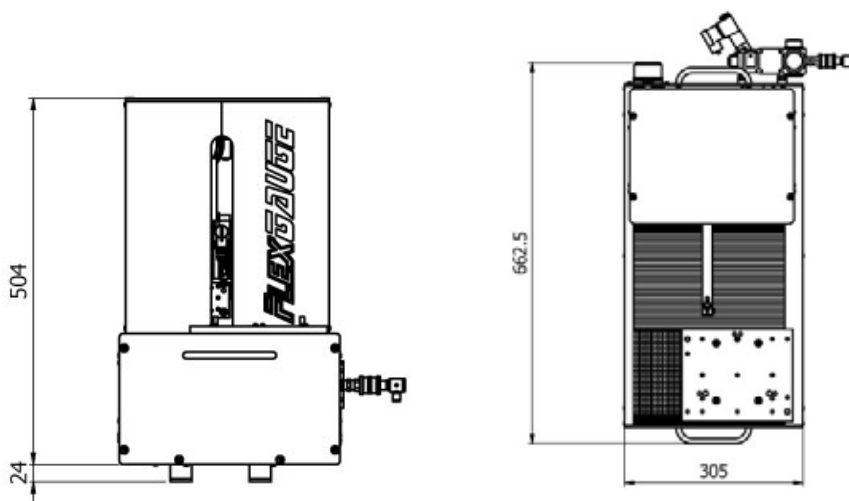
- ITACA TANGRAM

ITACA FlexGauge T-16/T-22

Uncrated: 48 kg
Crated: 100 kg
*System weight (without computer)

Available Optional Software Modules:

- SmartProfile
- Smart Report
- iGear



T-16 Model Shown

| | Standard | | Optional | |
|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|--|
| X,Y,Z Travel (mm) | 160 x 100 x 160 | | 220 x 160 x 220 | |
| X,Y,Z Scale Resolution | 0.5 μm | | 0.1 μm + temperature invariant | |
| Stage Drive System | DC Servo Drives XY&Z | | | |
| Max Velocity | 550mm/sec | | | |
| Max Recommended Load | 7 kg | | | |
| Probe Configurations | Single TP-20 | Probe support arm - configured for the application | Dual Probe Arm | |
| | | | TP-200 Touch Probe | |
| | | | SP-25 Scanning Probe | |
| | | | Star Probe | |
| | | | Docking Station | |
| System Controller | Quad core processor, Windows® 7 Operating System and on-board networking and communication ports | | | |
| Controller Accessory Package | Multi-function hand controller including 3-axis joystick for manual stage control, with E-stop and start buttons. | | Single LCD flat panel display, computer keyboard and mouse. Dual LCD flat panel displays, computer keyboard and mouse. | |
| Power Requirements | 115/230 vac, 50/60 HZ 1-phase 700W | | | |
| Air Requirements | Clean, dry air at 5.52 bar per min, 4.05 SLPM flowrate | | | |
| Rated Environment ^{1,2,3} | Temperature 15-35°C, 30-80% humidity; vibration <0.0015g below 15Hz | | 15-40°C (4°C/hour rate of change) | |
| Accuracy (at 20°C) | MPE _e : 1.0 + L/300μm; Max: 1.5μm (with TP20); MPE _p : 1.2μm (with SP25) | | | |
| Notes: All specifications apply to a thermally stable machine and a certified artifact at 20°C and part compensation | 1. Maximum rate of temperature change: 2° C/Hour 2. Maximum vertical temperature gradient: 1° C/Meter 3. Based on ISO 10360 Standards | | | |

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